

Q.P Code
TEL101**CSSR & SRRM DEGREE & PG COLLEGE**
(AUTONOMOUS)UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024
BA/BBA/B.Com/BSc Honours, SEMESTER-I**జనరల్ తెలుగు - సాహితీ సౌరభం**

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

సమయం: 3 గం.

మార్కులు: 70

I. కింది 10 ప్రశ్నలలో ఏవైనా 5 ప్రశ్నలకు సమాధానం రాయాలి.

ప్రతి సమాధానానికి 4 మార్కులు.

5 x 4 = 20 మా.

1. క్రింది పద్యాలలో ఒకదానిని పాదభంగం లేకుండా రాయండి.

(అ) కడు జనువాడునై మోహమున్..

(ఆ) చిక్కిన కాసుచే బిడ్డడై.

2. క్రింది వానిలో రెండింటికి సందర్భ సహిత వ్యాఖ్య రాయండి.

(అ) వార్త యందు జగము వర్తిల్లుచున్నది

(ఆ) ఋణములితై యుత్తమ బుద్ధిన్.

(ఇ) కడిగి కరుణింపలేదయ్యె గగన గంగ

3. క్రింది వానిని విడదీసి, సంది పేర్లు రాయండి.

(అ) దేవోత్తములు (ఆ) జగన్నుతుడు (ఇ) క్షుదానలము (ఈ) భార్య యేల

4. క్రింది వానికి విగ్రహవాక్యాలు రాసి, సమాసాల పేర్లు రాయండి.

(అ) ఖగ రాజ్ఘి (ఆ) సాధుజనులు (ఇ) పినాకపాణి (ఈ) చోరభయము

5. క్రింది అలంకారాలలో ఒకదానికి లక్ష్య లక్షణ సమన్వయం చేయండి.

(అ) ఉత్పేక్ష (ఆ) రూపకం (ఇ) అర్థాంతరన్యాస

6. క్రింది పద్యాలలో ఒకదానికి లక్ష్య లక్షణ సమన్వయం చేయండి.

(అ) చంపకమాల (ఆ) ద్విపద (ఇ) ఆటవెలది

7. జాషువా కవితా లక్షణాలను తెలపండి.

8. అలరాస పుట్టిళ్ళు కథానేపథ్యాన్ని రాయండి.

9. సంఘసేవ గురించి సీతారామారావు ఆలోచనలు

10. సి.పి.బ్రౌన్ వ్యక్తిత్వం

[P.T.O]

II. కింది 5 ప్రశ్నలకు వ్యాసరూప సమాధానాలు రాయండి. ప్రతి సమాధానానికి 10 మార్కులు.

11. క్రింది పద్యాలలో ఒకదానికి ప్రతిపదార్థ తాత్పర్యాలు రాయండి.

5 x 10 = 50 మా

(అ) ఉత్తమ మధ్యమాధమ నియోగ్యత బుద్ధినెరింగి, వారిన
యుత్తమ మధ్యమాధమ నియోగములన్ నియమించితే నరేం
ద్రోత్తమ! భ్రుత్కోటికి సమానముగా తగు జీవితంబులా
యత్తము సేసి యితై దయ నయ్యయి కాలము దప్పకుండగన్

(లేదా)

(ఆ) పూప వయస్సులో వలసపోయిన చక్కని తెల్ల కైతకున్
బ్రాపక మిచ్చినట్టి రఘునాథ నృపాలకు డేలియున్న తం
జాపురి మండలంబునకు జక్కగా దక్షిణభాగ భూములన్.
గాపురముండె నప్పరమ గర్భ దరిద్రుడు నీతిమంతుడై.

12. (అ) రాజనీతి పాఠ్యం ఆధారంగా ప్రజాపాలన ఎలా ఉండాలో రాయండి.

(లేదా)

(ఆ) గబ్బిలం ఆర్థ హృదయాన్ని జాషువా ఏ విధంగా ఆవిష్కరించాడు?

13. (అ) అలరాస పుట్టిళ్ళు కథాంశ సందేశాన్ని రాయండి.

(లేదా)

(ఆ) అలరాస పుట్టిళ్ళు ఆధారంగా ధన్యవంతులయిన ఇళ్ళలో స్త్రీల పరిస్థితి వివరించండి.

14. (అ) మీ పాఠ్య నవల ఆధారంగా సీతారామారావు వ్యక్తిత్వాన్ని వర్ణించండి.

(లేదా)

(ఆ) మీ పాఠ్య నవల ఆధారంగా అందే సందేశాన్ని వివరించండి.

15. (అ) సి. పి. బ్రౌన్ చేసిన సాహిత్యసేవను గురించి రాయండి.

(లేదా)

(ఆ) మీ పాఠ్యం ఆధారంగా బ్రౌన్ ను పరిచయం చేసి, కడపతో అతని అనుబంధాన్ని వివరించండి.



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CSSR & SRRM DEGREE & PG COLLEGE
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UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024
BA/BBA/B.Com/BSc Honours, SEMESTER-I

SKILL COURSE
COMMUNICATION SKILLS

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 50

(No additional sheet will be supplied)

Answer any FIVE of the following questions.

5x10=50 M

1. Define Communication. Explain the characteristics/ Nature of communication.
2. What are the barriers to effective communication?
3. Enumerate the strategies for effective communication.
4. What is a good presentation? and What are the features of good presentation?
5. Write the differences between verbal and non-verbal communication in presentation.
6. Illustrate Visual aids/ materials in presentation.
7. What is interview? What are the types of interviews?
8. Elucidate the long-term benefits of the before, during and after an interview.
9. Describe the process and structure of Group Discussion.
10. What are the Do's and Don'ts of Role Players?

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

BA/BBA/B.Com/BSc Honours, SEMESTER-I

SKILL COURSE**Analytical Skills**

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 50

A

(No additional sheet will be supplied)

Answer any 50 questions. Each question carries 1 mark.**50× 1 M= 50 M****Section A**

- 1 Simplify $4368 + 2158 - 596 - ? = 3421 + 1262$
- a) 1247 b) 1327 c) 1237 d) 1427
- 2 $(0.2 \times 0.2 + 0.01)(0.1 \times 0.1 + 0.02)^{-1}$ is equal to
- a) $\frac{5}{3}$ b) $\frac{9}{5}$ c) $\frac{41}{4}$ d) $\frac{41}{2}$
- 3 Which of the following fractions is the smallest?
- a) $\frac{13}{16}$ b) $\frac{15}{19}$ c) $\frac{17}{21}$ d) $\frac{7}{8}$
- 4 Express $\frac{1999}{2111}$ in decimal
- a) 0.893 b) 0.904 c) 0.947 d) 0.986
- 5 Which of the following numbers is exactly divisible by 24?
- a) 35718 b) 63810 c) 537804 d) 3125736
- 6 If $(n-1)$ is an odd number, what are the two other odd numbers nearest to it?
- a) $n, n - 1$ b) $n, n - 2$ c) $n - 3, n + 1$ d) $n - 3, n + 5$
- 7 Find the H.C.F. of 108, 288, and 360?
- a) 36 b) 16 c) 26 d) 6
- 8 Find the L.C.M. of $\frac{3}{4}, \frac{6}{7}, \frac{9}{8}$ is
- a) 3 b) 6 c) 9 d) 18
9. The sum of two numbers is 216 and their H.C. F is 27. The numbers are
- a) 27,189 b) 81,189 c) 108,108 d) 154,162
10. The L.C.M. of two numbers is 495 and their H.C.F. is 5. If the sum of the numbers is 100, then their difference is
- a) 10 b) 46 c) 70 d) 90

11. A number is as much greater than 21 as is less than 71. The number is
 a) 41 b) 39 c) 49 d) 46
12. The next term of 17, 19, 23, 29, 31, – – –
 a) 37 b) 33 c) 39 d) 35
13. In FULFNHW is the code for CRICKET, then EULGH is the code for which word?
 a) PRIDE b) BRIDE c) BLADE d) BLIND
14. If GIVE is coded as 5137 and BAT is coded as 924, how is GATE coded?
 a) 2547 b) 5427 c) 5724 d) 5247
15. A is the brother of B, C is the husband of B, C is the son of E. S is the wife of E, How is S related to B?
 a) Mother -in -law b) Maternal aunt c) Niece d) Daughter-in-law

Section B

16. Introducing a man, a woman said, “He is the only son of my mother’s mother”. How is the woman related to that man?
 a) Mother b) Aunt c) Sister d) Niece
17. How many rotations will the hour hand of a clock complete in 72hours?
 a) 3 b) 6 c) 9 d) 12
18. In an accurate clock, in 2 hours 20 minutes, the minute hand will move over
 a) 140° b) 320° c) 520° d) 840°
19. The calendar for the year 2020 will be the same for the years?
 a) 2048 b) 2078 c) 2040 d) 2096
20. Today is Wednesday. After 51 days it will be?
 a) Friday b) Thursday c) Wednesday d) Tuesday
21. The average mark of 13 papers is 40. The average mark of the first 7 papers is 42 and for the last 7 papers is 35. What are the marks of the seventh paper
 a) 16 b) 20 c) 19 d) 21
22. Find the average of all the prime numbers between 1 to 50?
 a) 24.9 b) 34.9 c) 52.9 d) 21.9
23. Find the mean proportional between 0.02 and 0.32 is
 a) 0.3 b) 0.08 c) 0.16 d) 0.34
24. Two numbers in the ratio 3:4 such that the sum of the squares is equal to 100
 a) 6, 8 b) 6, 4 c) 4, 8 d) 2, 8

- 25 The ages of Nishi and Vinnie are in the ratio of 6:5 respectively. After 9 years the ratio will be 9:8. What will the difference in their ages now?
 a) 3 years b) 5 years c) 7 years d) 9 years
- 26 The ages of A and B are in the ratio 6:5 and the sum of their ages is 44 years. What will be the ratio of their ages after 8 years?
 a) 7:6 b) 8:7 c) 9:8 d) 3:4
- 27 A man riding his bicycle covers 150 meters in 25 seconds. What is his speed in km per hour?
 a) 20 b) 21.6 c) 23 d) 24
- 28 A car covers a distance of 432 km at the speed of 48 Km/hr. In how many hours will the car cover this distance?
 a) 6 hours b) 7 hours c) 12 hours d) 9 hours
- 29 Ravi can walk a certain distance in 40 days when he rests 9 hours a day. How long will he take to walk twice the distance, twice as fast and rest twice as long each day?
 a) 40 days b) 50 days c) 80 days d) 100 days
- 30 65% of 400 =?
- a) 260 b) 280 c) 230 d) 360

Section C

- 31 10% of (15% of Rs 2000) is
 a) Rs. 50 b) Rs. 40 c) Rs. 30 d) Rs. 90
- 32 If the cost price is 80% of the selling price, then what is the profit percent?
 a) 40% b) 30% c) 20% d) 25%
- 33 A vendor bought bananas at 6 for Rs 10 and sold them at 4 for Rs 6. Find his gain or loss percent.
 a) 10% loss b) 20% loss c) 20% gain d) 10% gain
- 34 Asha and Vikram started a business by investing Rs. 90000 and Rs 81000 respectively. Find the ratio of their profits at end of the year?
 a) 10:9 b) 7:9 c) 3:9 d) 5:9
- 35 If A, B, and C started a business by investing Rs.8000, Rs10000, and Rs.12000 respectively. B gets 25% of the profit for supervising the management and the rest of the amount is divided in proportion to their capital. If the share of B is Rs. 4900 at the end of the year, what is the sum of the share of A and C Together
 a) Rs. 4425 b) Rs. 4900 c) Rs. 4400 d) Rs. 6200
- 36 Find the simple interest on Rs. 68000 at 12 % per annum for 2 years.
 a) Rs. 16000 b) Rs.16320 c) Rs. 16500 d) Rs. 16309
- 37 In how many years will a sum of money double itself at $6\frac{1}{4}\%$ simple interest per annum?
 a) 12 yrs b) 14 yrs c) 16 yrs d) 18 yrs

- 38 The compound interest on Rs. 2800 for 24 months at 10% per annum is
- a) Rs. 324 b) Rs. 588 c) Rs. 343 d) Rs. 233
- 39 If the difference between the compound and simple interests on a certain sum of money for 3 years at 5 % per annum is Rs. 15.25. Find the sum.
- a) Rs. 500 b) Rs. 1000 c) Rs. 1500 d) Rs. 2000
- 40 Find the amount on Rs. 500 for 2 years at 4% compounded half yearly.
- a) Rs. 521.22 b) Rs.531.22 c) Rs.541.22 d) Rs.511.22
- 41 If $5x + 3 = 18$ then $x=?$
- a) 1 b) 2 c) 3 d) 4
- 42 If $a:b = 7:9$, $b:c = 15:7$. Find $a:c$.
- a) 3:5 b) 5:3 c) 2:7 d) 7:5
- 43 $\frac{3}{5}$ of $\frac{4}{7}$ of 175 =?
- a) 50 b) 60 c) 30 d) 40
- 44 Which is the lowest of the following ratios?
- a) 7:15 b) 15:23 c) 17:25 d) 21:39
- 45 Express 90 kmph in mps.
- a) 20 mps b) 15 mps c) 35 mps d) 25 mps

Section D

Study the following table and answer the questions.

The number of candidates applied, qualified, and selected in an examination from two states P and Q over the years 2021 to 2025.

Year	State P			State Q		
	Applied	Qualified	Selected	Applied	Qualified	Selected
2021	6450	850	48	8200	680	85
2022	8000	640	82	6500	525	65
2023	4800	500	80	6800	600	70
2024	9000	800	80	5700	400	90
2025	9500	850	90	7800	720	80

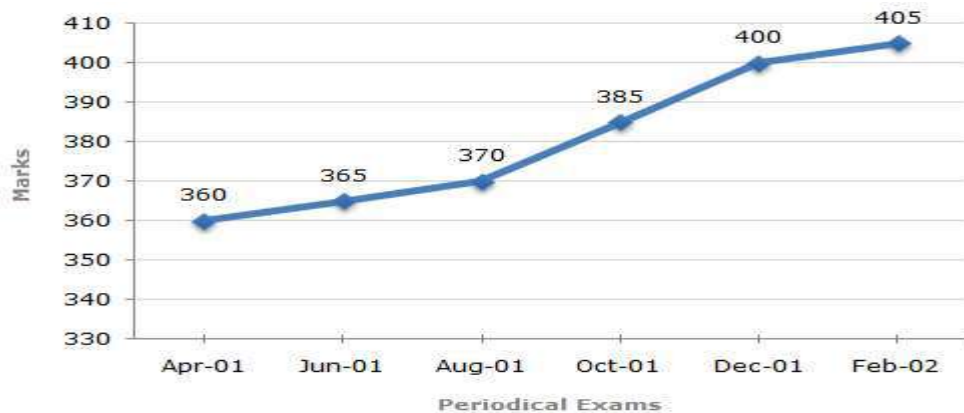
- 46 In the year 2022, what is the difference between the candidates who applied and the candidates who qualified in State P?
- a) 7360 b) 8640 c) 5975 d) 7025

- 47 In the year 2021, the percentage of candidates selected over the candidates qualified in state Q is
 a) 9.5% b) 11.5% c) 12.5% d) 10.5%
- 48 What is the average of candidates who qualified from state P during the given year years?
 a) 728 b) 3640 c) 910 d) 1820
- 49 What is the ratio between the number of candidates qualified and selected in state P the year 2024?
 a) 1:10 b) 5:2 c) 2:1 d) 10:1
- 50 In the year 2023, the percentage of candidates applied over the candidates selected in state P is
 a) 12% b) 15% c) 10% d) 30%

In a College the periodical examination are held every second month. In a session during April 2001 – March 2002, a student of Class XII appeared for each of the periodical exams. The aggregate marks obtained by him in each periodical exam are represented in the line-graph given below.

Marks Obtained by student in Six Periodical Held in Every Two Months during the Year in the Session 2001 - 2002.

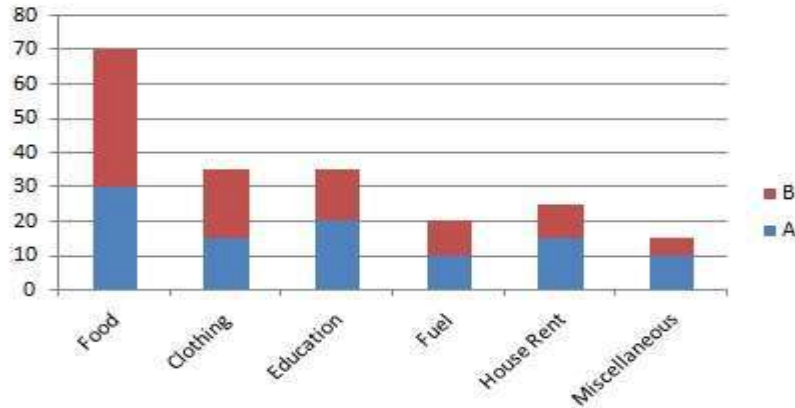
Maximum Total Marks in each Periodical Exam = 500



- 51 What percentage of the total marks obtained in December 2001 was achieved in February 2002?
 a) 100.25% b) 101.25% c) 70.25% d) 70.25%
- 52 What is the combined percentage of marks obtained by the student in the periodical exams of June 2001 and October 2001?
 a) 25% b) 35% c) 75% d) 55%
- 53 What are the average marks obtained by the student in all the periodical exams during the last session?
 a) 390.83 b) 360.83 c) 370.83 d) 380.83
- 54 What is the total number of marks obtained in June-01 and Aug-01 is?
 a) 735 b) 725 c) 755 d) 805
- 55 What is the difference between the total marks obtained in Feb-02 and Dec-01?
 a) 805 b) 5 c) 10 d) 800

The bar diagram shows the monthly expenditure on food, clothing, education, fuel, house rent, and miscellaneous.

Monthly Expenditure (In Percentages) of two families



56 Which of the following fraction represents the spent education of the total expenditure in family A?

- a) $\frac{1}{5}$ b) $\frac{3}{10}$ c) $\frac{7}{10}$ d) $\frac{2}{5}$

57 For which category did both families spend the most?

- a) Education b) Food c) Clothing d) Fuel

58 If Family A's total annual expenditure is Rs. 500,000, what is the amount spent on the difference between Food and Miscellaneous expenses during the year?

- a) Rs. 20000 b) Rs. 25000 c) Rs. 200000 d) Rs. 500

59 If Family B's total annual expenditure is Rs. 200,000, what is the amount spent on Fuel?

- a) Rs. 25020 b) Rs. 15240 c) Rs. 35000 d) Rs. 40000

60 What is the ratio of the amount spent on Fuel and education in family A?

- a) 1:2 b) 2:1 c) 10:1 d) 1:10



Do Not Write Anything Here

CSSR & SRRM DEGREE & PG COLLEGE
(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

BA/BBA/B.Com/BSc Honours, SEMESTER-I

MULTIDISCIPLINARY COURSES

INTRODUCTION TO SOCIAL WORK

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 50

(No additional sheet will be supplied)

Answer any FIVE of the following questions.

5x10=50 M

1. Define how Social Work has emerged as a profession during the last century?
2. What is social service? Explain the types of social service.
3. Briefly explain tools and techniques in social case work?
4. Explain the scope and importance of social case work?
5. What are the phases of community organization?
6. Define fieldwork. What are objectives of field work?
7. Explain the different methods of social work?
8. What are the different stages involved in social group?
9. Explain the different types of social casework?
10. Discuss the role of community worker in organization the community?

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

BA (Economics) Honours, SEMESTER-I

Course-1: FUNDAMENTALS OF SOCIAL SCIENCES

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 70

(No additional sheet will be supplied)

A

Section-A

Answer all the multiple choice questions. Each question carries 1 mark.

30x1=30M

1. What is the primary focus of social sciences?

- A. The study of national phenomena
B. The study of human society
C. The study of biological organisms
D. The study of physical sciences

2. What does research in economics inform?

- A. Policies on economic development
B. The design of mental health services
C. The dynamics of electoral politics
D. The prevalence and causes of mental health disorders

3. What does political science investigate?

- A. Systems of governance and political activities
B. The production, distribution, and consumption of goods and services
C. The human mind and behavior
D. Social relationships and society

4. What does social science research in India inform about vaccination?

- A. The social and cultural factors influencing vaccination behaviors
B. Efforts to control vaccine-preventable diseases
C. Both A and B
D. None of the above

5. Natural sciences primarily focus on:

- A. Human societies and behavior
B. Physical world and natural phenomena
C. The principles of art and aesthetics
D. Historical events and figures

6. The theory of evolution by natural selection was proposed by:

- A. Isaac Newton
B. Charles Darwin
C. Albert Einstein
D. Galileo Galilei

7. according to the text, which of these is not a social science discipline?

- A. Sociology
B. Anthropology
C. Physics
D. Psychology

8. Which discipline explores cultural beliefs and practices related to mental health?

- A. Psychology
B. Sociology
C. Anthropology
D. Economics

9. The interdisciplinary nature of social sciences is crucial for addressing

- A. Single dimensional societal issues
B. Real-world issues that fit neatly into disciplinary boundaries
C. Multiple dimensions of societal issues
D. Isolated community problems

10. Which of the following is NOT a secondary source?

- A. A scholarly book
B. A research paper
C. A diary from World War II
D. A historical analysis

- 11. by studying history, societies can:**
 A. Repeat past mistakes
 B. Learn from past experiences and avoid repeating them
 C. Ignore past events and focus only on the future
 D. None of the above
- 12. Which of the following is not an impact of history on society?**
 A. Formation of cultural and national identity B. Policy-making and decision-making
 C. Developing computer technology D. Social justice and equity
- 13. The quote by E.H. Carr emphasizes:**
 A. The narrative aspect of history
 B. The artistic interpretation of history
 C. The systematic and empirical nature of historical research
 D. The storytelling aspect of history
- 14. Historical work without theory, according to John Tosh, is:**
 A. Mere antiquarianism B. Mere speculation
 C. A balanced approach to historical research D. Necessary to keep history interesting
- 15. The Right to Education Act of 2009 in India made education a fundamental right for all children aged:**
 A. 5 to 12 years B. 6 to 14 years
 C. 4 to 14 years D. 7 to 15 years
- 16. Which of the following is not a symbol of India's historical heritage?**
 A. Qutub Minar B. Taj Mahal
 C. Statue of Liberty D. Hampi
- 17. Who among the following is honored as part of India's cultural heritage?**
 A. Winston Churchill B. Abraham Lincoln
 C. Rani Laxmi Bai D. George Washington
- 18. The Indus Valley Civilization flourished around:**
 A. 1500 BCE B. 2500 BCE
 C. 3500 BCE D. 4500 BCE
- 19. Which empire is often referred to as the "Golden Age" of India?**
 A. The Mauryan Empire B. The Kushan Empire
 C. The Gupta Empire D. The Harsha Empire
- 20. The linguistic reorganization of states in India took place in the:**
 A. 1940s B. 1950s
 C. 1960s D. 1970s
- 21. The sociocultural perspective in psychology looks at the impact of:**
 A. Biological factors B. Social and cultural factors
 C. Personal experiences D. Environmental stimuli
- 22. Which field of psychology studies the relationship between the brain and behavior?**
 A. Neuropsychology B. Health Psychology
 C. Industrial-Organizational Psychology D. Forensic Psychology
- 23. A significant issue associated with mental health in India is:**
 A. Overemphasis on mental health B. Stigma associated with mental health issues
 C. High costs of mental health care D. Over availability of mental health services
- 24. Emotions play a crucial role in social behavior by facilitating:**
 A. Communication and expression B. Memory recall
 C. Problem-solving D. Conformity
- 25. Negative emotions like anger or fear can lead to:**
 A. Altruistic behaviors B. Antisocial behaviors
 C. Emotional expressiveness D. Prosocial behaviors

[P.T.O]

26. Microeconomics focuses on

- A. The economy as a whole
- C. The interaction of different economies

- B. Individual economic units
- D. The study of wealth distribution in society

27. Inclusive growth aims to

- A. Increase income inequality
- C. Promote gender inequality

- B. Limit job creation
- D. Reduce income inequalities

28. Microsoft word is ____ software.

- A. Application
- C. System

- B. Compiler
- D. Programming

29. Which is not in MS Word?

- A. Italic
- C. Font

- B. Magic tool
- D. Bold

30. Which is not an edition of MS Word?

- A. MS Word 2003
- C. MS Word 2010

- B. MS Word 2007
- D. MS Word 1020

Section-B

Answer all fill in the blanks questions. Each question carries 1 mark.

10x1=10M

31. Sociology primarily study _____
32. In India _____ is used in social science research.
33. _____ Indian leader is not honored as part of India's cultural heritage.
34. The Vedic Period emerged with the arrival of the _____
35. Traditional Indian concepts being integrated into psychological research include _____
36. The behavior of not talking with your mouth full is guided by _____
37. _____ National parties were registered in India as of 2023?
38. In the parliamentary system, the head of the government is _____
39. _____ not a view option available in Microsoft PowerPoint
40. In MS-Excel _____ is a collection of rows and columns that holds text and numbers.

Section-C

Answer all very short answer questions. Each question carries 1 mark.

10x1=10M

41. Who is the father of social science?
42. Provide two examples of secondary source?
43. Name the study of human Past?
44. Who called the father of history?
45. Who founded the school of behaviorism?
46. What is the aim of social norms?
47. What is the upper house of the Indian legislature called?
48. Which sector is contributing highest GDP in India?
49. Who invented MS Office?
50. What is the name of parent company of face book and Instagram?

[P.T.O]

Section-D

Answer all match the following questions. Each question carries 1 mark.

10x1=10M

Group-A

51. LPG
52. Father of Social sciences
53. Primary sources
54. Bharatanatyam
55. Psycho analysis
56. Behaviorism
57. Charles Darwin
58. Macro Economics
59. LAN
60. ARPANET

Group-B

- A.1970
- B. J.B. Watson
- C. Local Area Network
- D. Sigmund Freud
- E. India
- F. August Comte
- G. Direct Evidence
- H. Theory of Natural Selection
- I. J. M. Keynes
- J. 1991

Section-E

Answer all True or False questions. Each question carries 1 mark.

10x1=10M

61. Sociology is the study of human mind and behavior.
62. Lecture method can be monotonous.
63. Burial sites are not archeological sources.
64. Republic day is celebrated as a part of India's national heritage.
65. The father of behaviorism was Ulric Neisser.
66. Social Learning Theory proposed by Albert Bandura.
67. In democracy power is distributed among the citizens.
68. Inflation can be caused by demand-pull factors or cost-push factors.
69. IBM was the first computer to introduce and popularise use of desktops.
70. An internet is a network of computers within an Organisation.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

BA (Economics) Honours, SEMESTER-I

COURSE II: PERSPECTIVES ON INDIAN SOCIETY

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 70

A

(No additional sheet will be supplied)

Section-A

Answer all the multiple choice questions. Each question carries 1 mark. 30x1=30M

1. Which term refers to the idea that humans are born without built-in mental content and that all knowledge comes from experience?

- A. Dualism
B. Innatism
C. Empiricism
D. Rationalism

2. In realism, what is the primary concern of states?

- A. Moral and ethical considerations
B. Economic development
C. Power and security
D. International law

3. The "state of nature" concept, as described by Hobbes, is characterized by

- A. Peace and harmony
B. Anarchy and a war of all against all
C. Democratic governance
D. Economic prosperity

4. Which of the following is a UNESCO World Heritage Site in India?

- A. Gateway of India
B. India Gate
C. Qutub Minar
D. All of the above

5. Which sector is known as the backbone of the Indian economy?

- A. Industrial Sector
B. Agricultural Sector
C. Service Sector
D. Informal Sector

6. The Indian economy is characterized as a _____ economy.

- A. Capitalist
B. Socialist
C. Mixed
D. Traditional

7. Which of the following is a popular social networking site?

- A. Amazon
B. LinkedIn
C. Netflix
D. Wikipedia

8. Which of the following represents the central tendency of a data set?

- A. Variance
B. Standard deviation
C. Mean, median, and mode
D. Range

9. Which graphical representation is used to show the distribution of a dataset?

- A. Line chart
B. Histogram
C. Pie chart
D. Scatterplot

10. Standard deviation is a measure of

- A. Central tendency
B. Data dispersion or spread
C. Statistical significance
D. Correlation

[P.T.O]

11. Indian society is primarily known for its:

- A. Uniformity
- B. Diversity
- C. Homogeneity
- D. Isolation

12. The idea that humans naturally seek out and thrive in social groups is an example of:

- A. Individualism
- B. Collectivism
- C. Isolationism
- D. Anarchism

13. Socialist societies aim to reduce

- A. State intervention
- B. Social inequalities
- C. Public sector employment
- D. Community welfare programs

14. A peer group that someone aspires to join and compares themselves to is known as a:

- A. In-group
- B. Out-group
- C. Aspirational reference group
- D. Primary group

15. What is the primary motive for individuals with a high need for achievement?

- A. To avoid failure
- B. To gain social acceptance
- C. To excel and accomplish personal goals
- D. To maintain stability and secure

16. Which famous spice is predominantly grown in Kerala?

- A. Saffron
- B. Cinnamon
- C. Cardamom
- D. Cloves

17. The Bihu dance is primarily performed to celebrate which of the following?

- A. Harvest
- B. Marriage
- C. Birthdays
- D. Religious festivals

18. Which state is Coorg located in?

- A. Tamil Nadu
- B. Kerala
- C. Karnataka
- D. Andhra Pradesh

19. Surat is famous for which of the following industries?

- A. Textile Industry
- B. Diamond Cutting and Polishing
- C. IT Industry
- D. Automobile Manufacturing

20. How many Jain temples are there in Sona Giri

- A. 10-20.
- B. 80-90
- C. 50-60
- D. Over 100

21. Which ethical principle is concerned with the right of individuals to make their own choices?

- A. Non-maleficence
- B. Autonomy
- C. Beneficence
- D. Justice

22. Which type of social influence involves adjusting behaviour to align with the group standard

- A. Compliance
- B. Conformity
- C. Obedience
- D. Persuasion

23. The Milgram experiment is most associated with which type of social influence?

- A. Conformity
- B. Compliance
- C. Persuasion
- D. Obedience

24. The word 'yoga' is derived from which language?

- A. Latin
- B. Greek
- C. Sanskrit
- D. Hebrew

25. Which of the following is a UNESCO World Heritage Site in India?

- A. Charminar
- B. Qutub Minar
- C. India Gate
- D. Gateway of India

[P.T.O]

- 26. The Sun Temple, also known as the Black Pagoda, is located in which Indian state?**
- A. Odisha
B. Rajasthan
C. Gujarat
D. Uttar Pradesh
- 27. The concept of Judicial Review in the Indian Constitution is borrowed from which country's Constitution?**
- A. United Kingdom
B. United States
C. Canada
D. Australia
- 28. The President of India is elected by**
- A. Direct vote of the people
B. Members of Parliament alone
C. An Electoral College
D. State Legislatures alone
- 29. Which of the following is an example of a fiscal policy tool?**
- A. Open market operations
B. Adjusting interest rates
C. Government spending and taxation
D. Reserve requirements
- 30. Who typically presents the Railway Budget in India?**
- A. The Finance Minister
B. The Railway Minister
C. The Prime Minister
D. The Home Minister

Section-B

Answer all fill in the blanks questions. Each question carries 1 mark. 10x1=10M

31. The Taj Mahal is located in _____ city.
32. _____ is the 'Pink City'.
33. The Ajanta and Ellora Caves are located in _____
34. The Indian Constitution was adopted on _____
35. The fundamental rights are enshrined in Part _____ of the Indian Constitution.
36. The Preamble to the Indian Constitution declares India to be a Sovereign, Socialist, Secular, and _____ Republic.
37. The head of the Indian state is the _____.
38. The Reserve Bank of India (RBI) was established on _____.
39. The headquarters of the RBI is located in _____.
40. AI algorithms can predict social behaviours by analyzing data from _____ networks.

Section-C

Answer all very short answer questions. Each question carries 1 mark. 10x1=10M

41. Which psychologist is known for the concept of "self-actualization"?
42. Which of the following is a classical dance form of India?
43. Who was the author of the ancient Indian text "Arthashastra"?
44. Who is known as the 'Father of the Indian Constitution'?
45. How many articles are there in the Indian Constitution?
46. Which committee's recommendations led to the implementation of the Banking Sector Reforms in India?
47. What does LPG stand for in the context of Indian economic reforms?
48. Which type of graph is used to show the relationship between two variables?
49. What is the range of the following data set: 4, 8, 15, 16, 23, 42?
50. The Vindhya hills lie close to the which River?

[P.T.O]

Section-D

Answer all match the following questions. Each question carries 1 mark. 10x1=10M

Group-A

51. Central finance minister
52. Tamil Nadu
53. Kathak
54. Mahatma Gandhi
55. India's GDP
56. GDP stand for
57. Constitution
58. Computer
59. Ramakrishna Paramahansa
60. Kathakali

Group-B

- A. Yakshagana
- B. Bharatanatyam
- C. Porubandar
- D. Services
- E. Northern India
- F. 26th NOV 1949
- G. Gross Domestic Product
- H. Swami vivekananda
- I. Nirmala seetharaman
- J. Charles Babbage

Section-E

Answer all True or False questions. Each question carries 1 mark. 10x1=10M

61. Humans are inherently social creatures and seek connections with others.
62. Human behaviour is not influenced by social norms and cultural contexts.
63. Bharatanatyam is a classical dance form originating from the state of Kerala.
64. The Indian Constitution cannot be amended.
65. The Constitution of India provides for a parliamentary system of government.
66. The economic reforms of 1991 in India are also known as the LPG reforms.
67. Privatization leads to decreased competition within markets.
68. Globalization increases the interconnectedness and interdependence of world economies.
69. Increased use of computers has no effect on physical health.
70. Online education has made learning more accessible to a wider audience.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

BBA Honours, SEMESTER-I

COURSE I: FUNDAMENTALS OF COMMERCE

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 70

A

(No additional sheet will be supplied)

Section-A

Answer all the multiple choice questions. Each question carries 1 mark.

30x1=30M

1. What is the primary goal of commerce?

- A) To create goods
B) To facilitate trade and distribution of goods
C) To provide employment
D) To regulate markets

2. What is e-commerce?

- A) Commerce conducted through traditional retail stores
B) The buying and selling of goods and services over the internet
C) A type of marketing strategy
D) A financial investment strategy

3. Which of the following best describes the role of commerce in infrastructure development?

- A) Commerce has no impact on infrastructure
B) Commerce funds infrastructure projects through taxes
C) Commerce only affects urban areas
D) Commerce undermines infrastructure development

4. What role does commerce play in international relations?

- A) It isolates countries economically
B) It fosters diplomatic ties through trade agreements
C) It decreases cultural exchange
D) It focuses solely on local markets

5. Which of the following is an export?

- A) Buying oil from another country
B) Importing electronics
C) Selling agricultural products to another country
D) Acquiring foreign currency

6. What is the primary purpose of the WTO?

- A) To regulate currency exchange rates
B) To establish global environmental policies
C) To provide financial aid to developing countries
D) To promote free , ensure trade flows smoothly

7. What is the primary focus of macroeconomics?

- A) Individual markets & consumer behavior
B) The overall economy & large-scale economic factors
C) The pricing of specific goods and services
D) The behavior of firms in competition

8. What does GDP stand for?

- A) Gross Domestic Product
B) General Development Plan
C) Global Debt Policy
D) Gross Domestic Policy

9. Which of the following is a method for calculating national income?

- A) Expenditure method
B) Profit method
C) Revenue method
D) Savings method

10. Which of the following is a characteristic of monopolistic competition?

- A) Homogeneous products
B) Few sellers with significant market power
C) Many firms selling differentiated products
D) No barriers to entry

[P.T.O]

- 11. What is marginal utility?**
 A) The total satisfaction from all units consumed
 B) The additional satisfaction gained from consuming one more unit of a good
 C) The average satisfaction per unit consumed
 D) The decrease in satisfaction from consuming less
- 12. According to the law of diminishing marginal utility, as a consumer increases consumption of a good, what happens to marginal utility?**
 A) It remains constant
 B) It increases
 C) It decreases
 D) It becomes negative
- 13. Which of the following is an example of an asset?**
 A) Accounts Payable
 B) Revenue
 C) Inventory
 D) Expenses
- 14. Which financial statement provides a snapshot of a company's financial position at a specific point in time?**
 A) Balance Sheet
 B) Income Statement
 C) Cash Flow Statement
 D) Statement of Retained Earnings
- 15. Which of the following is NOT part of the accounting cycle?**
 A) Posting to the ledger
 B) Preparing financial statements
 C) Recording adjusting entries
 D) Performing an audit
- 16. Which of the following is an example of a variable cost?**
 A) Rent
 B) Salaries
 C) Direct materials
 D) Depreciation
- 17. The convention of materiality suggests that:**
 A) Only items of significant value should be recorded
 B) All financial information fully disclosed
 C) Revenues should not be recognized until realized
 D) Only certain types of expenses recorded
- 18. GAAP stands for:**
 A) Government Approved Accounting Practices
 B) General Accounting and Auditing Principles
 C) Generally Accepted Accounting Principles
 D) Global Approved Accounting Practices
- 19. Which of the following taxes is NOT considered an indirect tax?**
 A) Sales tax
 B) Customs duty
 C) Service tax
 D) Property tax
- 20. Goods and Services Tax (GST) is an example of a:**
 A) Direct tax
 B) Progressive tax
 C) Indirect tax
 D) Regressive tax
- 21. Customs duty is levied on:**
 A) Goods manufactured and sold domestically
 B) Goods imported into or exported out of a country
 C) Services provided within a country
 D) Income earned from foreign investments
- 22. Which of the following is a key objective of excise duty?**
 A) To discourage the consumption of harmful goods such as tobacco and alcohol
 B) To increase exports of domestic goods
 C) To promote the import of goods
 D) Protect the environment
- 23. Which of the following is NOT a function of the CBDT?**
 A) Collection of direct taxes
 B) Formulating direct tax laws
 C) Settlement of income tax disputes
 D) Collection of indirect taxes

[P.T.O]

24. The CBDT has the power to:

- A) Levy state taxes
- B) Interpret and issue circulars on direct tax laws
- C) Modify tax rates
- D) Collect customs duties

25. What does HTML stand for?

- A) Hyper Text Markup Language
- B) Home Tool Markup Language
- C) Hyperlinks and Text Markup Language
- D) Hyper Transfer Markup Language

26. Which platform is considered ideal for content distribution in content marketing?

- A) Google Ads
- B) Instagram Ads
- C) Blogs, social media, and email newsletters
- D) Pay-per-click platforms

27. Which of the following is a primary goal of SEO?

- A) To create paid ads for search engines
- B) To improve the visibility of a website in organic search results
- C) To increase website load speed
- D) To build social media following

28. Which of the following tools is commonly used for keyword research?

- A) Google Analytics
- B) Google Search Console
- C) Ahrefs
- D) Microsoft Word

29. The process of cleaning and organizing data before analysis is known as:

- A) Data mining
- B) Data wrangling
- C) Data visualization
- D) Data storage

30. Which of the following methods is commonly used in machine learning for data analysis?

- A) Linear regression
- B) Manual calculations
- C) Spreadsheet formulas
- D) None of the above

Section-B

Answer all fill in the blanks questions. Each question carries 1 mark.

10x1=10M

31. The Balance of Payments is divided into two main accounts: the ___ account and the capital account.
32. The WTO also aims to enhance the welfare of people by promoting _____ development through trade.
33. The _____ model is often used to illustrate the concept of perfect competition in economics.
34. When new technology improves production efficiency, the supply curve shifts to the right, resulting in a _____ equilibrium price.
35. Financial management also involves assessing the financial risks associated with business decisions and developing strategies to _____ them.
36. GAAP provides a framework of guidelines for financial _____ to ensure consistency and transparency.
37. The CBIC plays a vital role in the _____ of goods at ports and airports, ensuring that all regulations are met.
38. The most common examples of direct taxes include _____ tax and corporate tax.
39. The primary goal of SEO is to improve a website's visibility in _____ engine results pages (SERPs).
40. The _____ stage of the consumer decision-making process involves recognizing a need or problem that requires a solution.

Section-C

Answer all very short answer questions. Each question carries 1 mark.

10x1=10M

41. Define Commerce.
42. Difference between Import and Export.
43. What do you mean by elasticity of demand?
44. Describe about equilibrium price.
45. Functions of GAAP.
46. What is the primary objective of cost accounting?
47. Define Corporate taxation.
48. Abbreviation of CBIC.
49. What are the social media marketing platforms?
50. Define consumer behavior.

[P.T.O]

Section-D

Answer all match the following questions. Each question carries 1 mark.

10x1=10M

Group-A

51. GAAP
52. Perfect competition
53. Import
54. Indirect tax
55. Word press basics
56. E-mail marketing
57. GST
58. Branches of Accounting
59. Demand
60. Marginal utility

Group-B

- A. Luxury tax
- B. Goods & Services Tax
- C. willing and able to purchase
- D. Total utility / Quantity consumed
- E. Managerial accounting & Cost accounting
- F. bringing goods into one country from another
- G. Freedom of Entry and Exit
- H. Generally Accepted Accounting Principles
- I. Word processing software
- J. Email Service Provider

Section-E

Answer all True or False questions. Each question carries 1 mark.

10x1=10M

61. Growth of commerce leads to the establishment of businesses, which in turn create jobs.
62. Most-Favored-Nation (MFN) Treatment is not a principle of WTO.
63. Conventions of accounting, also known as accounting principles or accounting conventions.
64. “Enhancing Transparency” it is a principle of GAAT.
65. Email Campaigns & Leverage Social Media are strategies of digital marketing.
66. The CBDT oversees the resolution of tax disputes through appeals, assessments, and legal proceedings.
67. Tax is a critical mechanism through which governments does not raise funds to support public goods and services.
68. Compulsory Payment & Government Authority are characteristics of Data analytics.
69. Production Approach is a method of calculating the national income.
70. Product Differentiation and positioning both are not objectives of elasticity of demand.



Q.P Code
BBA101

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

BBA Honours, SEMESTER-I

COURSE II: BUSINESS ORGANISATION

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 70

A

(No additional sheet will be supplied)

Section-A

Answer all the multiple choice questions. Each question carries 1 mark. 30x1=30M

1. What is the primary goal of a business?

- A) To provide employment
B) To produce goods and services
C) To earn a profit
D) To serve the community

2. Why is innovation important in business?

- A) It decreases customer satisfaction
B) It ensures compliance with government regulations
C) It helps businesses stay competitive and grow
D) It reduces the cost of raw materials

3. Which form of business organization involves two or more individuals sharing profits, losses, and management?

- A) Sole proprietorship
B) Partnership
C) Corporation
D) Cooperative

4. What is the primary advantage of a corporation over other forms of business organization?

- A) Simple to set up
B) Direct control by the owner
C) Limited liability of owners
D) No taxes on profits

5. What is a characteristic of a start-up business in the modern era?

- A) Focus on rapid growth and innovation
B) Operating in mature, stable markets
C) Avoiding risk and staying within established business models
D) Reliance on outdated technology

6. Which business function is responsible for planning, organizing, leading, and controlling resources?

- A) Operations management
B) Marketing
C) Human resource management
D) Management

7. Which of the following is a key quality of a successful business man?

- A) Taking calculated risks
B) Avoiding risks at all costs
C) Relying solely on intuition
D) Following only traditional business methods

8. Which of the following traits is essential for a businessman to identify and capitalize on new opportunities?

- A) Creativity
B) Impulsiveness
C) Stubbornness
D) Complacency

9. In a joint stock company, what happens if a shareholder sells their shares?

- A) The company must dissolve
B) The company's ownership changes
C) The company's operations are unaffected
D) The company must buy back the shares

10. Which of the following is a key characteristic of a joint stock company?

- A) Unlimited liability
B) Limited liability
C) Sole ownership
D) Informal structure

[P.T.O]

- 11. What is a public company? B**
 A) A company owned by the government
 B) A company that sells shares to the general public
 C) A company that cannot issue shares
 D) A company with only one owner
- 12. Which of the following is a key feature of a sole proprietorship?**
 A) Limited liability
 B) Unlimited liability
 C) Separate legal entity
 D) Ownership by shareholders
- 13. Which of the following is NOT a factor affecting plant location?**
 A) Proximity to suppliers
 B) Availability of labor
 C) Marketing strategies
 D) Transportation facilities
- 14. Which of the following metrics is commonly improved by using a product layout?**
 A) Lead time
 B) Customization level
 C) Employee training time
 D) Equipment maintenance costs
- 15. In a product layout, the arrangement of machines and workstations is primarily based on:**
 A) Similar types of processes
 B) Employee preferences
 C) Random assignment
 D) The sequence of operations required for the product
- 16. Which of the following is a factor that influences the size of a business unit?**
 A) Market demand
 B) Color of the products
 C) Employee preferences
 D) Advertising strategies
- 17. What is meant by "optimum size" of a business?**
 A) The size that maximizes production without increasing costs
 B) The smallest possible size for sustainability
 C) The size that balances cost, efficiency, and market demand
 D) The size that maximizes employee satisfaction
- 18. Which of the following is an important objective of an effective layout?**
 A) To reduce the need for machinery
 B) To facilitate smooth workflow and material handling
 C) To minimize employee training
 D) To increase the number of products produced
- 19. What is a business combination?**
 A) The merging of two or more companies into one
 B) The acquisition of one company by another
 C) The process of forming a joint venture
 D) All of the above
- 20. Which of the following is a primary motive for business combinations?**
 A) Increased competition
 B) Economies of scale
 C) Decreased market share
 D) Reduced operational efficiency
- 21. A company may combine with another to gain access to:**
 A) Unique technology or expertise
 B) Increased operational costs
 C) A stagnant market
 D) Higher taxes
- 22. A business owned by a group of individuals who share its profits is called a:**
 A) Cooperative
 B) Corporation
 C) Sole proprietorship
 D) Franchise
- 23. Which type of business form can issue stock to raise capital?**
 A) Sole proprietorship
 B) Limited liability company (LLC)
 C) General partnership
 D) Corporation
- 24. What is rationalization in business?**
 A) Increasing the number of employees
 B) Streamlining operations to improve efficiency
 C) Diversifying product lines
 D) Merging with other companies

25. In a block diagram, what does each block typically represent?

- A) A physical object
- B) A variable in an equation
- C) A function or process
- D) A timeline of events

26. Which firewall configuration typically allows users to specify what data can enter or leave the network?

- A) Implicit deny
- B) White listing
- C) Blacklisting
- D) Firewall rule set

27. Which type of firewall acts as an intermediary between the user and the internet?

- A) Stateless firewall
- B) Packet-filtering firewall
- C) Proxy firewall
- D) Next-generation firewall

28. What is the main purpose of an IP address in a network?

- A) To provide security
- B) To identify devices and facilitate communication
- C) To improve data transfer speed
- D) To manage user permissions

29. What does IP stand for in IP address?

- A) Internet Protocol
- B) Internal Protocol
- C) Interconnected Protocol
- D) Information Protocol

30. What is a common symptom of a malware infection?

- A) Increased system speed
- B) Frequent crashes and error messages
- C) Improved security
- D) Better performance of applications

Section-B

Answer all fill in the blanks questions. Each question carries 1 mark. 10x1=10M

31. A business organization that is owned and operated by a single individual is known as a_____.
32. The primary goal of any business organization is to maximize _____.
33. The structure of a business organization can be classified into three main forms: sole proprietorship, partnership, and _____.
34. In modern business, the concept of _____ refers to creating value for customers while balancing the needs of all stakeholders.
35. In a process layout, the arrangement of workstations is often based on the _____ of tasks to be performed.
36. The term optimum size refers to the ideal scale of operations that minimizes _____ while maximizing output and efficiency.
37. Rationalization can lead to a more flexible and _____ organizational structure, better suited to respond to market changes.
38. Regulatory approval is often required for business combinations to prevent _____ and ensure fair competition.
39. The _____ is a set of protocols that governs how data is transmitted over the internet.
40. A _____ network connects computers and devices over short distances, typically within a single building or campus.

Section-C

Answer all very short answer questions. Each question carries 1 mark. 10x1=10M

41. Importance of business organization.
42. Difference between business & profession
43. Elucidate about Joint Stock Company.
44. Define private company.
45. Factors affecting plant layout.
46. Define optimum size.
47. What do you mean by Rationalization?
48. Write about business combination.
49. Define Malware.
50. Block diagram.

[P.T.O]

Section-D

Answer all match the following questions. Each question carries 1 mark. 10x1=10M

Group-A

Group-B

- | | |
|---------------------------|--|
| 51. Trade | A. Integrates different types of layouts |
| 52. Business | B. Single individual to operate a company |
| 53. Sole proprietorship | C. Deceive others for financial gain |
| 54. One person company | D. Two or more companies combined |
| 55. Nationalization | E. Transaction between two or more parties |
| 56. Combined layout | F. Organized effort of individuals or groups |
| 57. Merger | G. Business owned & operated by single individual. |
| 58. Size of business unit | H. Techniques for securing communication & Information. |
| 59. Fraud techniques | I. Government takes control of privately owned businesses |
| 60. Cryptography | J. Total workforce can be a primary indicator of business size |

Section-E

Answer all True or False questions. Each question carries 1 mark. 10x1=10M

61. Businesses aim to utilize resources efficiently to maximize output and minimize waste.
62. Industry is a legal entity formed by a group of individuals to engage in and operate a business for profit.
63. A successful businessperson possesses a combination of personal qualities, skills, and attitudes that contribute to their ability to thrive in the competitive business world.
64. In private company shares are available to the general public.
65. Nature of the Business & Market Demand both are not affecting on size of business.
66. Product layout, also known as line layout.
67. Streamline operations to minimize waste, reduce duplication of tasks, and optimize the use of resources such as labor, machinery, and materials.
68. A temporary partnership or cooperation between two or more businesses to undertake a specific project or activity called as joint venture.
69. Transmission Control Protocol/Internet Protocol (TCP/IP) is the foundational communication protocol of the internet.
70. Firewall refers to any software or program intentionally designed to cause harm to computers, networks, or devices, steal sensitive data, or disrupt normal operations.



CSSR & SRRM DEGREE & PG COLLEGE
(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

B.Com. (CA) Honours, SEMESTER-I

COURSE I: FUNDAMENTALS OF COMMERCE

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 70

(No additional sheet will be supplied)

A

Section-A

Answer all the multiple choice questions. Each question carries 1 mark. 30x1=30M

1. What is the secondary objective of financial management?

- A. Maximizing profits
B. Ensuring liquidity
C. Maximizing shareholder wealth
D. Reducing costs

2. Commerce refers to

- A. Exchange of goods and services
B. Combination of Trade and Aids-to-trade
C. Manufacturing process
D. A and B

3. Imports are related to

- A. Purchase of goods & services from foreign countries
B. Sale of goods & services from foreign countries
C. Exchange of goods & services
D. All the above

4. Commerce helps in the development of infrastructure by

- A. Limiting foreign investments
B. Encouraging private and public investments
C. Reducing the need for transportation
D. Increasing tariffs on imports

5. In India, who maintain the Official Reserve Account

- A. State Bank of India
B. Reserve Bank of India
C. International Monetary Fund
D. All of the above

6. World Trade Organisation is replaced instead of

- A. GAAP
B. GATE
C. GATT
D. IMF

7. What is the main focus of macroeconomics?

- A. Individual businesses
B. Aggregate economic factors such as GDP and inflation
C. Pricing strategies of firms
D. Consumer preferences

8. Which of the following is NOT a measurement of national income?

- A. Gross Domestic Product (GDP)
B. Net National Product (NNP)
C. Personal Disposable Income
D. Marginal Utility

9. Microeconomics primarily studies

- A. Economic growth of nations
B. Individual markets and consumer behavior
C. National income and output
D. Government spending

[P.T.O]

- 10. What does elasticity of demand measure?**
- A. Changes in demand due to changes in supply
 - B. Responsiveness of demand to price changes
 - C. Fixed demand for a product
 - D. Impact of national income on demand
- 11. In a perfectly competitive market**
- A. Firms can freely set their prices
 - B. There are many buyers and sellers with identical products
 - C. There is a monopoly
 - D. Prices are regulated by the government
- 12. Marginal utility refers to**
- A. The total satisfaction from consuming a product
 - B. The additional satisfaction from consuming one more unit of a good
 - C. The price consumers are willing to pay
 - D. The cost of producing an extra unit of a good
- 13. Which of the following is the primary objective of financial accounting?**
- A. To forecast future market trends
 - B. To help internal decision-making
 - C. To provide financial information to external stakeholders
 - D. To set production budgets
- 14. The accounting cycle begins with**
- A. Preparation of financial statements
 - B. Journalizing transactions
 - C. Closing of accounts
 - D. Calculating net income
- 15. Which branch of accounting is focused on analysing costs and reducing expenses?**
- A. Financial Accounting
 - B. Management Accounting
 - C. Cost Accounting
 - D. Tax Accounting
- 16. What does GAAP stand for?**
- A. Generally Accepted Auditing Principles
 - B. General Accounting and Auditing Procedures
 - C. Generally Accepted Accounting Principles
 - D. General Accounts and Approval Policies
- 17. Which accounting convention assumes that a business will continue operating indefinitely?**
- A. Conservatism
 - B. Going Concern
 - C. Consistency
 - D. Matching
- 18. Management accounting is primarily used by**
- A. External investors
 - B. Internal management
 - C. Government agencies
 - D. Auditors
- 19. Which of the following is an example of a direct tax?**
- A. Sales Tax
 - B. Income Tax
 - C. Value Added Tax (VAT)
 - D. GST
- 20. The Goods and Services Tax (GST) is an example of a(n)**
- A. Direct tax
 - B. Indirect tax
 - C. Corporate tax
 - D. Wealth tax
- 21. Which of the following is the central authority responsible for direct taxes in India?**
- A. CBEC
 - B. CBDT
 - C. RBI
 - D. SEBI

[P.T.O]

- 22. Corporate tax is levied on**
 A. Individual income
 B. Profits of companies
 C. Goods and services
 D. Real estate transactions
- 23. Indirect taxes are generally collected by**
 A. The end consumers
 B. Suppliers or sellers on behalf of the government
 C. The central bank
 D. The judiciary
- 24. The Central Board of Excise and Customs (CBIC) is responsible for**
 A. Setting monetary policy
 B. Implementing direct tax laws
 C. Administering customs, GST, and excise duties
 D. Regulating the stock market
- 25. Which of the following platforms is commonly used to create websites without extensive coding?**
 A. Photoshop
 B. WordPress
 C. Excel
 D. PowerPoint
- 26. SEO primarily focuses on**
 A. Social media marketing
 B. Improving search engine ranking of a website
 C. Email advertising
 D. Designing graphics for a website
- 27. Which of the following is a form of digital marketing that involves sharing content on social media platforms?**
 A. Search engine optimization
 B. E-mail marketing
 C. Social media marketing
 D. Data analytics
- 28. Data analytics can be used in digital marketing to**
 A. Predict customer behavior
 B. Develop coding for a website
 C. Write content for blogs
 D. Monitor employee attendance
- 29. E-mail marketing involves**
 A. Promoting products through physical mail
 B. Sending promotional messages to potential customers via email
 C. Posting advertisements on social media
 D. Optimizing search engines
- 30. Customized suggestions to customers based on previous purchase data is an application of**
 A. Data analytics
 B. Web design
 C. SEO
 D. Taxation

Section-B

Answer all fill in the blanks questions. Each question carries 1 mark. 10x1=10M

31. Commerce works as a bridge between _____ and manufacturer.
32. _____ currency is used in international trade (External trade)
33. As per the law of demand, other things are being constant, if price raise demand will _____.
34. Income per person in a year is _____.
35. Debit what _____; Credit what _____.
36. According to _____ principle, business is a separate entity from its owners.
37. A tax levied on the income of a person is known as _____ tax.
38. Excise tax is a type of tax charged on _____.
39. _____ marketing involves sending targeted messages directly to potential customers via email.
40. One popular approach for predicting customer behavior is _____ analysis, which divides customers into distinct groups based on shared characteristics.

[P.T.O]

Section-C

Answer all very short answer questions. Each question carries 1 mark. 10x1=10M

41. Define the term Trade?
42. Define International trade?
43. Micro Economics
44. Define Law of Demand?
45. Accounting Cycle?
46. Write any two accounting concepts?
47. Define the term Tax?
48. Functions of CBIC?
49. Name one commonly used programming language in data analytics?
50. What is mean by Primary memory and secondary memory?

Section-D

Answer all match the following questions. Each question carries 1 mark. 10x1=10M

Group-A

51. IMF
52. WTO
53. BoP
54. NDP
55. Perfect Competition
56. GAAP
57. CBDT
58. CGST
59. URL
60. SEO

Group-B

- A. Number of buyers and sellers
- B. National domestic product.
- C. World Trade Organisation.
- D. Balance of Payments.
- E. International Monetary Fund.
- F. Central Board of Direct Taxes.
- G. Central Goods and Service Tax.
- H. Generally Accepted Accounting Principles.
- I. Search Engine Optimization
- J. The location of a resource on the internet is given by its?

Section-E

Answer all True or False questions. Each question carries 1 mark. 10x1=10M

61. The primary house merce is to facilitate economic and societal development.
62. Imports refer to goods and services sold by a country to other countries.
63. Perfect competition is characterized by a large number of buyers and sellers with identical products.
64. Marginal utility decreases as more units of a good are consumed.
65. The accounting cycle starts with journalizing transactions and ends with the preparation of financial statements.
66. The Generally Accepted Accounting Principles (GAAP) provide guidelines for financial reporting standards.
67. Income tax is an example of an indirect tax.
68. GST (Goods and Services Tax) is levied on the consumption of goods and services.
69. WordPress is a popular platform for developing websites without coding knowledge.
70. Search Engine Optimization (SEO) is only relevant for social media marketing.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

B.Com. (CA) Honours, SEMESTER-I

COURSE II: BUSINESS ORGANISATION

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 70

A

(No additional sheet will be supplied)

Section-A**Answer all the multiple choice questions. Each question carries 1 mark. 30x1=30M****1. Which of the following is NOT a feature of business?**

- | | |
|-------------------------|-------------------------------------|
| A. Profit-making | B. Risk-taking |
| C. Certainty of returns | D. Production of goods and services |

2. Which of these stages represents the development of business from a primitive to a modern structure?

- | | |
|--------------------------|------------------------------|
| A. Industrial Revolution | B. Agricultural Stage |
| C. E-commerce Stage | D. Technological Shift Stage |

3. Which business activity classification involves selling goods directly to consumers?

- | | |
|-------------|------------------|
| A. Commerce | B. Manufacturing |
| C. Industry | D. Warehousing |

4. A business organization aims to:

- | | |
|------------------------------------|-------------------------|
| A. Maximize profit only | B. Satisfy social needs |
| C. Ensure fair wages for employees | D. All of the above |

5. Which of the following is a primary difference between industry and commerce?

- | |
|---|
| A. Industry involves trading activities |
| B. Commerce includes the production of goods |
| C. Industry produces goods, while commerce facilitates their distribution |
| D. Commerce focuses on raw material extraction |

6. Which is NOT a characteristic of modern business?

- | | |
|--------------------------------------|---|
| A. Emphasis on customer satisfaction | B. Focus on traditional trading methods |
| C. Technological reliance | D. Profit-oriented structure |

7. Which is an essential quality of a successful businessman?

- | | |
|------------------|---------------------------------|
| A. Risk aversion | B. Inflexibility |
| C. Adaptability | D. Lack of communication skills |

8. The simplest form of business ownership is:

- | | |
|------------------------|-------------------------|
| A. Sole proprietorship | B. Partnership |
| C. Joint Stock Company | D. Co-operative society |

9. In a partnership, profits and losses are typically:

- | | |
|---------------------------------------|--------------------------------|
| A. Distributed equally among partners | B. Retained by one partner |
| C. Only shared by senior partners | D. Transferred to shareholders |

10. Which of these is a feature of a public company but not a private company?

- | | |
|--|--|
| A. Limited liability | B. Ownership by shareholders |
| C. Right to issue shares to the public | D. Requirement of a minimum of two directors |

[P.T.O]

- 11. Which form of business organization is created to serve a single member's interests?**
 A. Sole Proprietorship
 B. Joint Stock Company
 C. One Person Company
 D. Public Company
- 12. Which of these forms of business organization has "one member, one vote" as a principle?**
 A. Sole Proprietorship
 B. Partnership
 C. Co-operative society
 D. Joint Stock Company
- 13. The term "plant location" refers to:**
 A. Selecting a country for a business
 B. Choosing an area for setting up a factory
 C. Arranging machinery in a factory
 D. Measuring the size of a business unit
- 14. Which of the following is a critical factor in deciding plant location?**
 A. Proximity to resources
 B. Internet access
 C. Office design
 D. Brand presence
- 15. Which type of plant layout arranges machines based on the sequence of production steps?**
 A. Process layout
 B. Product layout
 C. Fixed-position layout
 D. Cellular layout
- 16. The size of a business unit can be measured by:**
 A. The number of employees only
 B. Output capacity
 C. Both input and output criteria
 D. Total income only
- 17. A layout designed to produce large volumes of standardized products is a:**
 A. Fixed-position layout
 B. Product layout
 C. Process layout
 D. Office layout
- 18. Which term describes the ideal scale of production that minimizes costs per unit?**
 A. Standard size
 B. Optimal size
 C. Large size
 D. Small size
- 19. A business combination is:**
 A. A merger of two firms
 B. Collaboration among businesses to achieve common objectives
 C. Government takeover of industries
 D. An increase in production by a single firm
- 20. Which of the following is NOT an objective of business combination?**
 A. Reducing competition
 B. Achieving higher production efficiency
 C. Decreasing market reach
 D. Reducing production costs
- 21. Rationalization primarily aims to:**
 A. Distribute products equally
 B. Improve production efficiency
 C. Increase competition
 D. Nationalize industries
- 22. Which is a key difference between rationalization and nationalization?**
 A. Rationalization increases competition, while nationalization reduces it
 B. Rationalization is a private effort, while nationalization is a government initiative
 C. Nationalization reduces efficiency
 D. Rationalization reduces production
- 23. Which form of business combination is primarily aimed at controlling prices?**
 A. Merger
 B. Trust
 C. Cartel
 D. Rationalization
- 24. Business combinations often lead to:**
 A. Decreased bargaining power
 B. Increased operational costs
 C. Reduced market competition
 D. Lower efficiency

[P.T.O]

25. The generation of computers known for using transistors is the:

- A. First
- B. Second
- C. Third
- D. Fourth

26. Which protocol is primarily responsible for assigning IP addresses?

- A. TCP
- B. HTTP
- C. IP
- D. FTP

27. A service providing internet access to customers is known as:

- A. ISP
- B. DNS
- C. URL
- D. HTTP

28. Which of these techniques is NOT considered a form of malware?

- A. Virus
- B. Firewall
- C. Trojan
- D. Spyware

29. Symmetric cryptography uses:

- A. A pair of keys for encryption and decryption
- B. A single key for both encryption and decryption
- C. No key at all
- D. Different keys each time

30. Firewalls are used to:

- A. Store data
- B. Encrypt files
- C. Block unauthorized access to networks
- D. Slow down internet speed

Section-B

Answer all fill in the blanks questions. Each question carries 1 mark. 10x1=10M

31. The main objective of any business organization is to satisfy the _____ needs and wants of its customers.

32. Sole proprietorship, partnership, and corporation are all different _____ of business organizations.

33. A partnership is a form of business where two or more individuals share _____ and management responsibilities.

34. The difference between a private and public company is that a public company can sell shares to the _____.

35. Plant location refers to selecting a suitable place for establishing a _____.

36. The optimum size of a business unit is determined by balancing production _____ with operational costs.

37. A business combination is a consolidation of two or more business entities to achieve certain _____.

38. Rationalization is the reorganization of resources to increase _____ within a business or industry.

39. The first generation of computers used _____ tubes as a key component.

40. IP stands for Internet Protocol and is used to assign a unique _____ to every device on the network.

[P.T.O]

Section-C

Answer all very short answer questions. Each question carries 1 mark. 10x1=10M

41. What is the meaning of business?
42. What is the importance of business in economic development?
43. What is the first consideration when establishing a new business?
44. What is the difference between a private company and a public company?
45. What is plant layout?
46. What is meant by the optimum size of a business unit?
47. Name one form of business combination.
48. What is the difference between rationalization and nationalization?
49. What is malware?
50. What is the role of firewalls in network security?

Section-D

Answer all match the following questions. Each question carries 1 mark. 10x1=10M

Group-A

51. Commerce

52. Trade

53. Co-operative Societies act

54. Sole Proprietorship

55. Horizontal Combination

56. Vertical Combination

57. Acquisition

58. ALU

59. Network

60. Key Board

Group-B

A) The practice and study of techniques for secure communication

B) Combination of trade and aids-to-trade

C) Purchase of one company by another company

D) 1912

E) Unlimited liability

F) Buying & selling with money worth

G) A combination of companies that operate at different stages of the production process.

H) A combination of companies that operate in the same industry and are direct competitors.

I) Arithmetic Logic Unit.

J) Input Device.

Section-E

Answer all True or False questions. Each question carries 1 mark. 10x1=10M

61. Business is an economic activity concerned with the production and distribution of goods and services.
62. Industry is a place where the raw materials are converted in to finished goods.
63. A sole proprietorship is a form of business organization owned by two or more individuals.
64. A partnership deed is a legal document that outlines the terms and conditions of a partnership.
65. The size of a business unit can be measured in terms of capital employed, number of employees, and turnover.
66. Plant layout is the arrangement of machinery and equipment outside of a factory.
67. A merger is a type of business combination where two or more companies combine to form a new entity.
68. Nationalization can be used to control strategic industries.
69. A firewall is a hardware or software system that protects a network from unauthorized access.
70. RAM is a type of non-volatile memory.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

BSc (Botany) Honours, SEMESTER-I

Course-I: Introduction to Classical Biology

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 70

A

(No additional sheet will be supplied)

Section-A

Answer all the multiple choice questions. Each question carries 1 mark. 30x1=30M

1. The term 'taxonomy' was coined by

- | | |
|-------------|------------------|
| A) Linnaeus | B) P de Candolle |
| C) Turell | D) Julian Huxley |

2. System of classification used by Linnaeus was

- | | |
|------------------------|----------------------|
| A) Natural system | B) Artificial system |
| C) Phylogenetic system | D) None of these |

3. Which is correct

- | | |
|---------------------|---------------------|
| A) MANGIFERA INDICA | B) Mangifera indica |
| C) Mangifera indica | D) Mangifera Indica |

4. What kind of organisms are fungi?

- | | |
|----------------|---------------|
| A) Saprophytes | B) Carnivores |
| C) Omnivores | D) Herbivores |

5. The optimum temperature for photosynthesis is

- | | |
|------------|------------|
| A) 25-35°C | B) 10-15°C |
| C) 35-40°C | D) 20-25°C |

6. Which of the following can synthesize their food

- | | |
|------------|-----------------|
| A) Fish | B) Green plants |
| C) Animals | D) Mycoplasma |

7. Loss of water from plants in the form of water vapor is called

- | | |
|--------------------|------------------|
| A) Surface tension | B) Cohesion |
| C) Ascent of sap | D) Transpiration |

8. Which of the following is not a part of the flower

- | | |
|----------|-----------|
| A) Sepal | B) Petal |
| C) Leaf | D) Stamen |

9. Which part of the flower develops into a fruit?

- | | |
|----------|-----------|
| A) Ovary | B) Stamen |
| C) Petal | D) Sepal |

10. Which of the following requires maximum energy

- | | |
|-----------------------|---------------------|
| A) Secondary consumer | B) Decomposer |
| C) Primary consumer | D) Primary producer |

11. Bio Chemistry is Connected with

- A) Biomolecules and Atom
- B) Organic and inorganic
- C) Inorganic and Physical
- D) Organic, Inorganic, Physical Chemistry

12. Ionic bonds are formed by the force attraction between

- A) Same ions
- B) Different atoms
- C) Opposite ions
- D) Various atoms

13. Analytical chemistry discuss about the

- A) Frequency of chemicals
- B) Presence of chemicals
- C) Amount of chemical substances
- D) Amount of chemicals

14. Who Proposed Green chemistry

- A) James and Paul
- B) Paul Anastas and James
- C) Paul Anastas and John C. Warner
- D) Antoine Lavoisier

15. Hydrophobic are the molecules which do not mix in

- A) Solutes
- B) Solvents
- C) Liquids and solute
- D) Water

16. Which is the strongest bond

- A) Covalent bond
- B) Ionic bond
- C) Hydrogen bond
- D) All of the above

17. Hypothalamus function is to maintain

- A) Thermostable
- B) Homeostasis of body
- C) Fluidstasis
- D) None of the above

18. Kingdom Animalia consists of

- A) Multicellular animals
- B) Eukaryotic animals
- C) Multicellular and Eukaryotic
- D) All of the above

19. Which of the following is the Primary function of the Endocrine system

- A) Sensory perception
- B) Muscle contraction
- C) Hormone production and secretion
- D) Nutrient absorption

20. The Main function of Liver is

- A) Blood filtration
- B) Detoxification
- C) Nutrient passage and storage
- D) All of the above

21. Which of the following organisms is classified as a prokaryote?

- A) Amoeba
- B) Human
- C) Bacteria
- D) Fungi

22. During DNA replication the leading strand is synthesized?

- A) Continuously
- B) Discontinuously in fragments
- C) In the 5' to 3' direction
- D) In the 3' to 5' direction

23. Which of the following is a potential energy source for early life forms in hydrothermal vent environments?

- A) Sunlight
- B) Oxygen
- C) Methane
- D) Carbon dioxide

24. During which phase of the cell cycle does DNA replication occur?

- A) G1 phase
- B) G2 phase
- C) S phase
- D) M phase

- 25. Which phase of mitosis involves the separation of sister chromatids**
 A) Prophase
 B) Metaphase
 C) Anaphase
 D) Telophase
- 26. What is the study of chemistry primarily connected with?**
 A) Biological processes
 B) Earth's geological formation
 C) Matter and its properties
 D) Celestial bodies
- 27. Which branch of chemistry deals with the study of carbon compounds?**
 A) Inorganic chemistry
 B) Organic chemistry
 C) Physical chemistry
 D) Analytical chemistry
- 28. What type of chemical bond involves the sharing of electron pairs between atoms?**
 A) Ionic bond
 B) Covalent bond
 C) Metallic bond
 D) Hydrogen bond
- 29. Green chemistry aims to minimize the use of**
 A) Renewable resources
 B) Non-renewable resources
 C) Both Renewable and Non
 D) Both raw materials and energy resources
- 30. Which of the following is not a principle of green chemistry?**
 A) Prevent waste
 B) Use renewable resources
 C) Design for degradation
 D) Maximize energy consumption

Section-B

Answer all fill in the blanks questions. Each question carries 1 mark. 10x1=10M

31. Taxonomy involves the _____ and _____ of plants
32. These are often colourful parts that attract pollinators. Together, they form the _____.
33. The two main products of photosynthesis are _____ and _____
34. Five Kingdom Classification Was Proposed By _____
35. The process of photosynthesis converts light energy into _____ energy.
36. The rearing of silkworms for obtaining silk is called _____.
37. Fish heart is _____ heart.
38. The Male Bee in a colony is called a _____.
39. Twelve principles are present in _____ chemistry.
40. Heart is divided into _____ and _____

Section-C

Answer all very short answer questions. Each question carries 1 mark. 10x1=10M

41. What is the primary purpose of a taxonomic key?
42. What is pollination?
43. What is the anther?
44. Write the equation for Photosynthesis?
45. Define species?
46. Write two three branches of chemistry?
47. What is Green Chemistry?
48. Explain about non-covalent bonds?
49. What is Circulation?
50. What is the function of Liver?

Section-D

Answer all match the following questions. Each question carries 1 mark. 10x1=10M

Group-A

51. Bisexual flower
52. Growth Promoters
53. Stamens
54. Cuscuta
55. Growth inhibitors
56. Jaw less fish
57. Vertebrate
58. Holoblastic
59. Vander Waals
60. Hydrophobic

Group-B

- A) Male part of flower
- B) Ethylene
- C) Androecium & Gynoecium
- D) Auxins
- E) Parasitic
- F) Moderate yolk
- G) Weak bonds
- H) Agnatha
- I) Non-Polar
- J) With backbone

Section-E

Answer all True or False questions. Each question carries 1 mark. 10x1=10M

61. Air pollution can cause respiratory problems in human.
62. Phytohormones can regulate many different processes in plant development.
63. Phytohormones are only synthesized in one part of the plant and act locally
64. Stomata are mostly found on the bark of trees.
65. Phytohormones only promote growth and do not inhibit it
66. Organic chemistry focuses on the study of carbon-contains compounds
67. Ionic bonds cause opposite charge.
68. Van der Waal forces are covalent bonds.
69. Fusion of Male and Female gametes is called gametogenesis.
70. Crocodile heart is four chambered.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

BSc (Botany) Honours, SEMESTER-I

COURSE - II: INTRODUCTION TO APPLIED BIOLOGY

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 70

(No additional sheet will be supplied)

A

Section-A

Answer all the multiple choice questions. Each question carries 1 mark. 30x1=30M

1. Microbiology is derived from

- A) Latin
B) Greek
C) Spanish
D) European

2. Which of the following era discuss about existence of Microbes

- A) Pre-Golden era
B) Post-Golden era
C) Golden era
D) None of the above

3. Smallpox eradication programme discovered in the year of

- A) 1956
B) 1957
C) 1959
D) 1958

4. Petri dish is a

- A) Sticky substance
B) Gelatinous substance
C) A&B
D) None of the above

5. Which of the following is example of Spirilla

- A) Streptococcus
B) Bacillus
C) Helicobacter
D) All of the mentioned

6. Protein word is derived from

- A) Protease
B) Proteios
C) Protenase
D) Proteinate

7. Methionine is an

- A) Protein
B) Amino acid
C) Carbohydrate
D) Non of the above

8. Albumins are soluble in

- A) Water
B) Fats
C) Salt
D) All of the above

9. DNA consists of which cos ends

- A) 3' and 5'
B) 4' and 5'
C) 2' and 5'
D) 3' and 6'

10. DNA structure was proposed by

- A) Erwin Chargaff
B) Watson and Crick
C) Watson and James
D) A and B

[P.T.O]

11. What is the primary goal of Bioremediation

- A) Creating synthetic organisms
- B) Extracting minerals from the environment
- C) Removing pollutants
- D) Self cleaning

12. Biofuels are derived from

- A) Fossil fuels
- B) Nuclear reactions
- C) Living organisms
- D) Minerals

13. Which enzymes used to cut DNA at specific sites

- A) Polymerases
- B) Ligases
- C) Restriction enzymes
- D) Helicase

14. The Process of introducing DNA into host is called

- A) Amplification
- B) Transformation
- C) Replication
- D) Translation

15. Which is the first transgenic food crop

- A) Bt Corn
- B) Bt Cotton
- C) Golden rice
- D) Flavr Savr Tomato

16. Which polymerase is used to amplify DNA in PCR

- A) DNA polymerase
- B) Ligase
- C) Taq DNA polymerase
- D) RNA polymerase

17. Which technique is used to produce monoclonal antibodies

- A) ELISA
- B) PCR
- C) Western Blotting
- D) Hybridoma Technology

18. Which cell type is fused with a cancerous cell to create a hybridoma

- A) T-cell
- B) B-cell
- C) Plasma
- D) All of the above

19. What is Eugenics

- A) A form of Gene therapy
- B) The study of plant gametes
- C) Improving gene quality of human
- D) A type of prenatal testing

20. Which technology is used in Gene therapy

- A) DNA finger printing
- B) CRISPR
- C) PCR
- D) Radioactive isotopes

21. What is the primary goal of data collection in Biostatistics?

- A) To prove a hypothesis
- B) To make inferences about a population
- C) To manipulate data outcomes
- D) To ensure accurate visualization

22. Which of the following is not a measure of central tendency?

- A) Mean
- B) Median
- C) Range
- D) Mode

23. A statement made about a population for testing purpose is called?

- A) Statistic
- B) Hypothesis
- C) Level of Significance
- D) Test-Statistic

24. What does genomics refer to in Bioinformatics?

- A) Study of individual genes
- B) Study of proteins and their functions
- C) Study of entire genome & functions
- D) Study of cellular structures

25. What is the primary focus of the SwissProt database?

- A) Protein sequences
- B) DNA sequences
- C) Medical records
- D) Geological data

[P.T.O]

26. Which technology is commonly used for high through put DNA sequencing in genomics?

- A) ELISA
- B) PCR
- C) Micro array
- D) Next-generation sequencing

27. Which database is used primarily for storing and retrieving information?

- A) PDB
- B) Swissport
- C) Uniport
- D) Pub Med

28. What kind of information can be found in the NCBI Gene database?

- A) Protein structures
- B) Protein interactions
- C) Genetic disorders
- D) Gene expressions

29. Which of the following provides information about 3-D structures of proteins?

- A) Gen Bank
- B) Uniport
- C) PDB
- D) NCBI

30. PDB stands for

- A) Protein Data Bank
- B) Protein Data Box
- C) Protein Data Base
- D) Protein Data Bundle

Section-B

Answer all fill in the blanks questions. Each question carries 1 mark.

10x1=10M

- 31. t-RNA is of _____ shape.
- 32. Small molecules are assembled into large one is called _____.
- 33. Flavonoids are the _____ in Plants.
- 34. Immunogen is an _____.
- 35. Nitrogen is converted to Ammonia by _____ enzyme.
- 36. Biotechnology was first termed by _____.
- 37. _____ precursor is present in Golden rice.
- 38. Breaking down of carbohydrates into cellulose is known as _____.
- 39. Restriction enzymes have _____ ends and _____ ends.
- 40. Onco-mice are transgenic that are engineered for _____.

Section-C

Answer all very short answer questions. Each question carries 1 mark.

10x1=10M

- 41. What is Adjuvant?
- 42. Define Immunology?
- 43. What are the four Nucleotides in DNA & RNA?
- 44. What is Purine?
- 45. What are Carotenoids?
- 46. Give any two examples of transgenic plants and animals?
- 47. What does Bt stands in Bt cotton?
- 48. Define Lipofection?
- 49. Purpose of DNA finger printing?
- 50. Name the four Blotting techniques?

[P.T.O]

Section-D

Answer all match the following questions. Each question carries 1 mark. 10x1=10M

Group-A

51. Chromo proteins
52. Guanine
53. Steroids
54. Paratope
55. Plague
56. Rhizobia
57. PCR
58. 1st Gen Crops
59. pBR322
60. Bt Cotton

Group-B

- A. Nucleotide
- B. Lipids
- C. Chlorophyll
- D. Yersinia Pestis
- E. Antibody
- F. Biotic stress
- G. Food crops
- H. Plasmid
- I. Polymerase Chain reaction
- J. N2 fixation

Section-E

Answer all True or False questions. Each question carries 1 mark.

10x1=10M

61. Carbohydrates are complex sugars.
62. Polysaccharides consists of more than two monomers.
63. Phagocytosis is an Immune cell.
64. T-Cells arise from Bone Marrow.
65. Cyanobacteria is a carbon fixing bacteria.
66. Organic chemistry focuses on the study of carbon-containing compounds.
67. Ionic bonds cause opposite charge.
68. Van der Waal forces are covalent bonds.
69. Fusion of Male and Female gametes is called gametogenesis.
70. Crocodile heart is four chambered.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, APRIL/MAY 2025

B.Sc(Bot), SEMESTER-II

GENERAL AND INORGANIC CHEMISTRY

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions

5 x 4 = 20 M

- 1) Define and explain Hund's Rule.
- 2) Write short note on Write short note on Electron affinity
- 3) Discuss Thermal stability of typical ionic compounds
- 4) What is Lattice Energy and write factors affecting lattice energy.
- 5) Write short notes on isoelectronic principle.
- 6) Explain the molecular orbital diagram of CO.
- 7) Explain briefly about conductors, semi-conductors and insulators.
- 8) Write short on Free electron theory.
- 9) Explain Arrhenius Theory with suitable examples.
- 10) Define and explain pH.

SECTION – B

II. Answer ONE questions from each unit

5 X 10= 50 M

- 11) Write a brief note on IUPAC nomenclature and group number, horizontal, vertical of the periodic table
(Or)
- 12) Explain the following
a) Ionization Potential b) Pauli's Exclusion principle
- 13) Write the properties of Ionic Compounds and Explain the factors favouring the formation of Ionic compound.
(Or)
- 14) Explain Born-Haber cycle of Enthalpy of formation of ionic compound.
- 15) Explain the structure of NH₃ and H₂O by VSEPR model.
(Or)
- 16) Construct and explain MO diagram for Homonuclear diatomic molecule of N₂, O₂ molecules.
- 17) What is Hydrogen bond? Explain its types with suitable examples.
(Or)
- 18) Write a brief note on Valence Bond Theory of metals.
- 19) Explain the types of chemical reactions with examples.
(Or)
- 20) Explain HSAB principle and its importance.



CSSR & SRRM DEGREE & PG COLLEGE

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UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024

BSc (Computer Science) Honours, SEMESTER-I

Course-1: Essentials and Applications of Mathematical, Physical and Chemical Sciences

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 70

A

(No additional sheet will be supplied)

Section-A**Answer all the multiple choice questions. Each question carries 1 mark.****30x1=30M****1. In the complex number $Z=2+4i$, the real part is**

A) 2

C) $4i$

B) 4

D) None of the above

2. What is the conjugate of the complex number $z= 3-2i$ A) $-3+2i$ C) $-3-2i$ B) $3+2i$

D) None of the above

3. If $(1+i)(x+iy)=2+4i$ then $5x=$ -----

A) 11

C) 15

B) 13

D) 14

4. The value of $\sin 45^\circ + \cos 45^\circ$ is -----A) $1/\sqrt{2}$ C) $\sqrt{3}/2$ B) $\sqrt{2}$

D) 1

5. If $\cos x = 2/3$ then $\tan x=$ -----A) $5/2$ C) $\sqrt{5/2}$ B) $\sqrt{5}/2$ D) $2/\sqrt{5}$ **6. The value of $\bar{i} \times i=$ -----**

A) 0

C) 3

B) 2

D) 1

7. Which of the following is a unit of pressure?

A) Pascal

C) Joule

B) Newton

D) Kilogram

8. Which law of thermodynamics states that energy cannot be created or destroyed, only transferred or converted from one form to another?

A) Zeroth Law

C) Second Law

B) First Law

D) Third Law

9. Which material is commonly used as a semiconductor in the electronics industry?

A) Copper

C) Aluminum

B) Silicon

D) Gold

10. What is the principle involved in optical fiber?

A) Total internal Absorption

C) Total internal Refraction

B) Total internal reflection

D) Total internal Dispersion

[P.T.O]

- 11. What does the term "Ohm's Law" describe in electronics?**
 A) The relationship between voltage, current, and resistance
 B) The behavior of capacitors
 C) The operation of transistors
 D) None of the above
- 12. Which equation expresses the de Broglie wavelength (λ) of a particle in terms of its momentum (p)?**
 A) $\lambda = hp$
 B) $\lambda = h/2\pi p$
 C) $\lambda = 2\pi hp$
 D) $\lambda = h/p$
- 13. What is the major greenhouse gas released from the burning of fossil fuels?**
 A) Methane
 B) Carbon dioxide
 C) Nitrous oxide
 D) Ozone
- 14. What is the electron configuration of Oxygen(O)?**
 A) $1S^2 2S^2 2P^4$
 B) $1S^2 2S^2 2P^6$
 C) $1S^2 2S^1 2P^4$
 D) $1S^2 2S^1 2P^4$
- 15. Which group in the periodic table contains noble gases?**
 A) Group-1
 B) Group-2
 C) Group-17
 D) Group-18
- 16. What is the general formula of a carbohydrate?**
 A) C_nH_{2n+2}
 B) C_nH_{2n}
 C) C_nH_{2n-2}
 D) $C_nH_{2n}O$
- 17. What role does pH play in the brewing process of beer?**
 A) Controls bitterness
 B) Enhances carbonation
 C) Influences color
 D) Affects fermentation efficiency
- 18. What is Avogadro's number?**
 A) 6.02×10^{23}
 B) 3.14
 C) 9.8
 D) 2.718
- 19. If the heat energy is released in a chemical reaction, the reaction is**
 A) Exothermic
 B) Endothermic
 C) Stoichiometric
 D) Reversible
- 20. What is the primary goal of drug design?**
 A) To increase drug production costs
 B) To enhance the taste of medications
 C) To discover and develop effective therapeutic agents
 D) to enhance flavor of Drug
- 21. What is the primary goal of computer-aided drug design (CADD)?**
 A) Develop new computer programs
 B) Discover and design new drugs
 C) Analyze existing drugs
 D) Enhance laboratory equipment
- 22. Which software is commonly used for molecular visualization in CADD?**
 A) Photoshop
 B) ChemDraw
 C) PyMOL
 D) AutoCAD
- 23. AI Stands for**
 A) Advanced Internet
 B) Artificial Interface
 C) App Integration
 D) None
- 24. Which of the following is not an Operating system?**
 A) Windows
 B) MS-DOS
 C) UNIX
 D) None of the above
- 25. Who is the father of Computer?**
 A) James Gosling
 B) Charles Babbage
 C) Dennis Ritchie
 D) None

[P.T.O]

26. Which of the following is the smallest unit of data in Computer?

- A) KB
- C) MB

- B) GB
- D) TB

27. What is the full form of CPU?

- A) Computer Processing Unit
- C) Central Processing Unit

- B) Computer Principle Unit
- D) Control Processing Unit

28. Which type of Energy is stored in the Battery?

- A) Mechanical
- C) Nuclear

- B) Chemical
- D) Electrical

29. Angle 130° represents which angle?

- A) Acute
- C) Right angle

- B) Obtuse
- D) None

30. Einstein Mass – Energy relation

- A) $E = m + c^2$
- C) $E = m/c^2$

- B) $E = m \cdot c^2$
- D) $E = mc^2$

Section-B

Answer all fill in the blanks questions. Each question carries 1 mark.

10x1=10M

31. If $Z=3+4i$, then $|Z| =$ _____

32. If $\tan \Theta = \frac{3}{4}$ then $\sin \Theta =$ _____

33. Mode of the data 3,8,9,7,6,5,6,8,4,3,8,4,7,8 is _____

34. An electric current flowing through a conductor creates a _____ field around the conductor.

35. Newton's Third Law of Motion states that for every action, there is an equal and opposite _____

36. Carbons involving branch is called _____

37. Fats are also known as _____ and are composed of glycerol & fatty acids.

38. Sound waves do not travel through _____

39. WAN stands for _____

40. WWW stands for _____

Section-C

Answer all very short answer questions. Each question carries 1 mark.

10x1=10M

41. Define scalar and vector?

42. What are the parts of complex number?

43. State Newton's second law?

44. Write different units of temperature?

45. How is the periodic table arranged?

46. Difference between element and compounds?

47. Write any two importance of Chemistry in daily life?

48. Find the magnitude of $6\bar{i} + 2\bar{j} + 3\bar{k}$

49. Write any two output devices?

50. Write any three computer languages?

[P.T.O]

Section-D

Answer all match the following questions. Each question carries 1 mark.

10x1=10M

Group-A

Group-B

51. Energy gap of Silicon
52. Proton
53. Length of the zero vector
54. $\sin 90^\circ =$
55. $\tan 90^\circ =$
56. TCP
57. Microprocessor
58. pH value of normal Water
59. pH value of Blood
60. One byte

- A). Positive charge
- B). 1
- C). 1.12eV
- D). 8 bits
- E). Network Protocol
- F). 6.5 to 8.5
- G). Fourth generation
- H). ∞
- I). 7.35 to 7.45
- J). 0

Section-E

Answer all True or False questions. Each question carries 1 mark.

10x1=10M

61. Scalar product of two vectors is also a vector
62. The value of $\cos 90^\circ$ is 1
63. Entropy is a measure of the disorder or randomness in a system
64. Isotopes of an element have the same number of protons but Different numbers of neutrons.
65. The noble gases have a fully filled outer electron shell
66. Glucose is one of the amino acid
67. The mean of 3,6,9,12,15 is 10
68. Key board is a input device
69. Transistors are used in second generation computers
70. 1KB = 1024 TB



CSSR & SRRM DEGREE & PG COLLEGE
(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, DECEMBER-2024
BSc (Computer Science) Honours, SEMESTER-I

Course-2: Advances in Mathematical, Physical and Chemical Sciences
(w.e.f. 2024-25 Admitted Batch)

Time: 2 hours

Max Marks: 70

(No additional sheet will be supplied)

A

Section-A

Answer all the multiple choice questions. Each question carries 1 mark.

30x1=30M

1. The slope of the line $3x - 4y + 5 = 0$ is

- A) 3
B) 3/4
C) -3/4
D) 4/3

2. $\lim_{x \rightarrow 0} \frac{\sqrt{1+x}-1}{x} =$

- A) 1/2
B) 0
C) 1
D) $\frac{1}{\sqrt{2}}$

3. $\frac{d}{dx} (\sin 4x) =$

- A) $\cos 4x$
B) 0
C) $4\cos 4x$
D) $-\sin 4x$

4. $\int e^{2x} dx =$

- A) $2x$
B) $2e^{2x}$
C) $2e^x$
D) x^2

5. Determinant the Identity Matrix

- A) -1
B) 0
C) 1
D) None of the Above

6. Find the correct form of Straight line equation

- A) $2x-3y+4=0$
B) $2x^2-4x+6=0$
C) $-4x+5y+2z$
D) $ax+by-4y^2=2$

7. What is the primary source of energy for renewable energy generation?

- A) Fossil Fuels
B) Nuclear Fusion
C) Solar Radiation
D) None of the above

8. What is the primary focus of biophysics?

- A) Studying the behaviour of living organisms
B) Converting sunlight into electricity
C) Harnessing wind energy for medical purposes
D) Changing color based on temperature

9. What is the primary characteristic of Shape Memory Materials?

- A) Changing colour based on temperature
B) Returning to a previous shape after deformation
C) Emitting colourful light
D) Storing energy in biophysics research tools

10. What is a common application of smart grids?

- A). Studying molecular interactions
B). Improving drug delivery
C). Enhancing communication through quantum dots
D). Enabling efficient energy consumption

[P.T.O]

11. Photovoltaic Cells (PV) are made up of

- A) Conductors
- B) Semiconductors
- C) Insulators
- D) None of the above

12. Which energy storage method is commonly used in renewable energy systems to store excess electricity?

- A) Compressed Air Energy Storage
- B) Flywheel Energy Storage
- C) Chemical Batteries
- D) Pumped Hydro Storage

13. What is the purpose of the parity bit in parity check?

- A) To correct errors in data
- B) To determine the total number of bits
- C) To indicate the presence of errors in data
- D) None

14. Which layer of the OSI model does a switch operate at

- A) Physical Layer
- B) Data Link Layer
- C) Network Layer
- D) Transport Layer

15. Which network device is used as a bridge between different networks and protocols?

- A) Core router
- B) Edge router
- C) Distribution router
- D) Home router

16. Which of the following is a primary source of chemical pollution in the Environment?

- A) Volcanic eruptions
- B) Human activities
- C) Ocean currents
- D) Solar radiation

17. Which chemical pollutant is responsible for the depletion of Ozone layer?

- A) Carbon monoxide
- B) Sulfur dioxide
- C) CFC's
- D) Nitrogen oxides

18. What role does the Food and Drug Administration play in drug development?

- A) conducting clinical trials
- B) Approving and regulating drugs for market entry
- C) Designing drug formulations
- D) Finance drug research

19. What is the major greenhouse gas released from the burning of fossil fuels?

- A) Methane
- B) Carbon dioxide
- C) Nitrous oxide
- D) Ozone

20. Which software is commonly used for molecular visualization in CADD?

- A) Photoshop
- B) ChemDraw
- C) PyMOL
- D) AutoCAD

21. Which heavy metal is commonly associated with contaminated water from industrial discharges?

- A) Iron
- B) Mercury
- C) Calcium
- D) Potassium

22. The primary source of Acid Rains is:

- A) Oxides of Nitrogen
- B) Oxides of Sulphur
- C) Both A and B
- D) None

23. The phenomenon where pollutants are removed from the atmosphere through rainfall is known as:

- A) Leaching
- B) Filtration
- C) Precipitation scavenging
- D) Desorption

24. What is the primary cause of water hardness?

- A) Presence of bacteria
- B) High mineral content
- C) Industrial pollution
- D) Excess dissolved oxygen

25. $\frac{d}{dx} (x \sin x) =$

- A) $x \sin x + \cos x$
- B) $x \cos x - \sin x$
- C) $x \sin x + x \cos x$
- D) $x \cos x + \sin x$

[P.T.O]

26. A3F convert to binary number

A) 101010101111

B) 101000111111

C) 110100101100

D) None

27. A device which is used to boost the signal between two cable segments or wireless access points is

A) Booster

B) Repeater

C) Switch

D) Router

28. A device that is used to connect a number of LANs is

A) Router

B) Repeater

C) Switch

D) Bridge

29. The binary value of decimal number 9 is

A) 1010

B) 1001

C) 1101

D) 0011

30. Which field involves the study of biomechanics?

A. Nanotechnology

B. Renewable energy

C. Biophysics

D. Quantum communication

Section-B

Answer all fill in the blanks questions. Each question carries 1 mark.

10x1=10M

31. If $A^T = -A$ then the matrix A is called _____

32. Number of rows and columns in a square matrix are _____

33. Hydroelectric power generation harnesses energy from the flow of _____

34. Radiation Therapy is commonly used for the targeted treatment of _____

35. Photovoltaic cells convert sunlight into _____

36. The process of _____ refers to the gradual buildup of pollutants in organisms.

37. Combustion of fossil fuels releases _____, contributing to climate change.

38. In vector space $i \times i =$ _____

39. HUB is a _____

40. MODEM stands for _____

Section-C

Answer all very short answer questions. Each question carries 1 mark.

10x1=10M

41. If $2X + \begin{pmatrix} 1 & 2 \\ 3 & 4 \end{pmatrix} = \begin{pmatrix} 3 & 8 \\ 7 & 2 \end{pmatrix}$ find X

42. Find the derivative of $x^2 + \log x$

43. Define Renewable and Non-renewable Energies?

44. Define Quantum Dots?

45. Examine the environmental benefits of energy-efficient materials

46. Define catalysis method?

47. Give some examples of Chemical pollutants?

48. Find the derivative of $e^x \log x$.

49. Write any two differences between digital and analog signals?

50. What is Number system?

[P.T.O]

Section-D

Answer all match the following questions. Each question carries 1 mark.

10x1=10M

Group-A

51. $\lim_{x \rightarrow 2} \frac{x^3 - 2^3}{x - 2} =$

52. $\begin{vmatrix} -1 & 3 & 4 \\ 1 & 9 & 12 \\ 9 & 9 & 12 \end{vmatrix} =$

53. Solar

54. Wind

55. Biomass

56. Repeater

57. 010100

58. Acid rains

59. Methyl IsoCyanate (MIC)

60. Decimal value of 1101

Group-B

A). Network device

B). Generate power from flowing air

C). Bhopal gas tragedy

D). 12

E). 0

F). Captures energy from sunlight.

G). Binary number

H). 13

I). Converts organic materials into energy.

J). NO₂ and SO₂

Section-E

Answer all True or False questions. Each question carries 1 mark.

10x1=10M

61. Intercept form of a line is $\frac{x}{a} + \frac{y}{b} = 1$

62. Two straight lines are always intersect

63. Wind energy is an example of a non-renewable energy source

64. Lithium-ion batteries are an example of a commonly used energy storage technology.

65. Catalysis can be used to remove both organic and inorganic dyes from waste water

66. Carbon monoxide is a greenhouse gas that contributes to global warming.

67. Null matrix having at least one zero

68. The base value of Hexadecimal value is 16

69. A bit in computer terminology means either 0 or 1

70. CRC provides built-in error correction capabilities



Q.P Code
CS102

CSSR & SRRM DEGREE & PG COLLEGE
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UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

BSc (BOT) Honours, SEMESTER-III

Multidisciplinary Course**BASIC MATHEMATICS**

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hrs.

(No additional sheet will be supplied)

Max. Marks: 50**I. Answer any FIVE of the following. Each question carries 10 marks.****5 × 10 = 50 M**

- (a) Define a Set and equality of sets with example.
(b) If $A = \{2,4,6,8,10\}$ and $B = \{1,4,6,9,11\}$ then find $A \cup B$ and $A \cap B$.
- Simplify the surds a) $\sqrt{108}$ b) $\frac{2+\sqrt{3}}{2-\sqrt{3}}$ c) $\sqrt{147} - 2\sqrt{12}$.
- Solve for x for the following
 - $\log_2(x - 1) = 3$
 - $\log_3(x^2 + 5) = 2$
 - $\log_2(x + 1) = 1$.
- Find the point that divides the line joining (2,3) and (10,7) in the ratio 3:2 internally.
- Find the distance between two points (6,11) & (8,13).
 - Find the equation of locus of a point which is equidistance from the points $A(-3,2)$ and $B(0,4)$.
- Find the area of the triangle with vertices (2,7), (1,1), (10,8).
- Find the equation of locus of P so that area of the triangle $PAB = 8.5$ for given two points $A(2,3)$ and $B(-3,4)$.
- Reduce the equation $5x - 4y = 10$ into slope intercept form.
 - Find the equation of the Straight line passing through the points (5,6) and (3,8).
- Given $A = \begin{bmatrix} -1 & 2 \\ 3 & 1 \end{bmatrix}$ and $B = \begin{bmatrix} 4 & 2 \\ 3 & 0 \end{bmatrix}$. Find a) AB b) BA c) A^T d) B^T and e) Trace of AB .
- Find the inverse of the matrix $A = \begin{bmatrix} -2 & 6 \\ 3 & 8 \end{bmatrix}$ by finding its determinant.



CSSR & SRRM DEGREE & PG COLLEGE
(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025
BA/BBA/B.Com/BSc(CS) Honours, SEMESTER-III

Multidisciplinary Course
HEALTH AND HYGIENIC

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hrs.

(No additional sheet will be supplied)

Max. Marks: 50

SECTION - A

I. Answer any FOUR questions. Each Question Carries 5 Marks.

4 X 5 =20 M

1. Importance of Nutrition
2. Food Sources of Calcium
3. Vitamin A source and Deficiency
4. Environmental Health & it's Concerns
5. National Urban Health Mission Framework (NHUM)
6. Importance and Function of Water
7. JSK Helpline
8. Swasth Bharath

SECTION - B

II. Answer any THREE questions. Each Question Carries 10 Marks.

3 X 10 =30 M

9. Explain the Functions, Dietary sources, effects of Deficiency of Lipids.
10. Give an Account on Vitamins.
11. What is Health Organization? Explain roles of NIN and FNB.
12. Explain Health Education – Principles & Strategies.
13. Describe Community and Personal Hygiene.
14. Explain VHSNC (Village & Hygiene Sanitation & Nutritional Committee) Roles and Responsibilities.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA/BBA/B.Com/BSc Honours, SEMESTER-III

Skill Course

INFORMATION AND COMMUNICATION TECHNOLOGY

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hrs.

(No additional sheet will be supplied)

Max. Marks: 50

I. Answer any FIVE of the following questions.

5x10= 50 M

1. What is Internet? Explain about Internet Addressing?
2. What is Browser? Explain types of Browsers?
3. Explain about Social Media?
4. Explain about Username and password in detail?
5. Write about G-Suite?
6. Describe the purpose of Google forms & Google documents.
7. What are the copyright issues associated with the Internet?
8. Write about Viruses and Antivirus software?
9. Describe the concept of E-mail threats and provide examples?
10. Explain about the advantages of Swayam and NPTEL?



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

మైనర్ పేపర్ - ఆధునిక కావ్యం

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

సమయం: 3 గంటలు

మార్కులు:70

విభాగము-అ

I. ఈ క్రింది పది ప్రశ్నలలో ఏవైనా ఐదింటికి సంక్షిప్త సమాధానాలు రాయండి.

5X4=20 మా.

1. శ్రీరంగం శ్రీనివాసరావు.
2. శ్రీ శ్రీ కవిత్వ శైలి గురించి రాయండి.
3. అభ్యుదయ కవిత్వ లక్షణాలు తెలియజేయండి.
4. 'వజ్రాయుధం' కావ్య ఖండిక గురించి రాయండి.
5. 'జయభేరి' ఇతివృత్తాన్ని తెలపండి.
6. 'ఋక్కులు' కవితను వివరించండి.
7. 'శైశవగీతిని' వివరించండి.
8. 'అద్వైతం' కవితలోని అసలైన అద్వైత ధోరణిని పరిచయం చేయండి.
9. 'ప్రతిజ్ఞ' కవితలో రచయిత తత్వాన్ని తెలపండి.
10. 'జగన్నాథుని రథచక్రాలు' కవితను వివరించండి.

విభాగము-ఆ

II. ఈ క్రింది వానిలో అన్ని ప్రశ్నలకు సమాధానాలు రాయండి.

5x10=50 మా.

11. శ్రీశ్రీ ని పరిచయం చేసి, ఆయన రచనలను కూలంకషంగా వివరించండి.
(లేదా)
12. శ్రీశ్రీ సమకాలీన అభ్యుదయ కవులను పరిచయం చేసి, వారి రచనలను తెలియజేయండి.
13. అభ్యుదయ కవితా విశిష్టతను వివరించండి.
(లేదా)
14. త్వమేవాహం, వజ్రాయుధం, రుధిరజ్యోతి కావ్యాల సారాంశాన్ని వివరించండి.
15. శ్రీశ్రీ 'మహాప్రస్థానం' కవితా సారాంశాన్ని విపులీకరించండి.
(లేదా)
16. 'బాటసారి' కవితలో శ్రీశ్రీ భావుకతను కూలంకషంగా వివరించండి.
17. బిక్షువర్షియసి కవితా సారాంశాన్ని విశదీకరించండి.
(లేదా)
18. 'అద్వైతం' కవితను విశ్లేషించండి.
19. 'కవితా! ఓ కవితా' కవితా సారాంశాన్ని వివరించండి.
(లేదా)
20. 'దేశచరిత్రలు' కవితలో శ్రీశ్రీ చిత్రించిన అభ్యుదయం ఏమిటో విశ్లేషించండి.



**Q.P. Code
ECO301**

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

MAJOR: MACROECONOMICS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Circular Flow of Income (Three Sector Model)
2. Personal Income & Per capita Income
3. Pigou's wage-cut theory
4. Effective Demand
5. RBI classification of Money
6. Monetary Policy
7. Types of Inflation
8. Phillip's Curve
9. Sensex and Nifty
10. Fiscal Policy

SECTION-B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Define macroeconomics and explain the scope and importance of macroeconomics.
Or
12. What is National Income? Explain the measuring methods of national income.
13. Critically examine the J B Say's Law of market.
Or
14. Describe the Keynesian theory of employment.
15. Discuss the cash balance theory of money promoted by the Cambridge economists.
Or
16. What are the Objectives and Functions of Central Bank of India (RBI).
17. What is inflation? Explain the causes and consequences of Inflation.
Or
18. Describe various phases of Trade Cycles with suitable diagram.
19. Explain instruments and functions of Financial Market.
Or
20. What are the main indicators used to assess Macro Economic performance?

Q.P. Code
ECO302

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

MAJOR: ECONOMIC THOUGHT AND POLITICAL ECONOMY

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 = 20 M

1. Mercantilism
2. Fabian Socialists
3. Vilfredo Pareto
4. New Keynesian School
5. Oliver E. Williamson
6. Herbert Simon
7. Kautilya
8. Dadabhai Naoroji
9. Role of Political Institutions for Development
10. Bureaucracy

SECTION-B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 = 50 M

11. Describe Adam Smith's major contributions to economic theory.
Or
12. Summarize Karl Marx's critique of capitalism and his views on class struggle.
13. Describe Alfred Marshall's contributions to Neo-Classical economics and the concept of marginal utility.
Or
14. Discuss John Maynard Keynes's main ideas on aggregate demand and its role in economic fluctuations.
15. Describe Gunnar Myrdal's contributions to institutional economics and his views on development.
Or
16. Discuss Friedrich Hayek's views on the role of information and decentralization in economic decision-making.
17. Analyze Gandhi's political philosophy, including his principles of non-violence and self-reliance.
Or
18. Discuss Amartya Sen's views on development, democracy, and human capabilities.
19. Explain the basic features of political economy and how it integrates political and economic analysis.
Or
20. How does Marxism approach the issue of economic development and class struggle?

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

MAJOR: DEVELOPMENT ECONOMICS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 = 20 M

1. Economic development
2. World Bank Classification of Countries based on level of Development
3. Types of unemployment.
4. Causes for inequality.
5. Explain the Marxian theory of growth.
6. Briefly describe the Malthusian theory of economic growth
7. Mixed economy strategy of economic development.
8. Mahalanobis Foreign Capital strategy
9. Objectives of economic planning in India.
10. Role of International Monetary Fund in Economic Development

SECTION-B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 = 50 M

11. Describe the characteristics of developing countries with reference to India
Or
12. Explain the measurement of economic development of a country.
13. Explain the sustainable development.
Or
14. Analyse the key causes and Solution of Poverty in Developing Countries.
15. What are the stages of Economic growth according to Rostow?
Or
16. Explain the Harrod- Domar Model of Economic Growth.
17. What is the human capital-capability strategy? Explain its significance for long-term development.
Or
18. Critically examine the unbalanced growth strategy.
19. Explain the 15th finance commission recommendations.
Or
20. How the World Bank impact the Economic development of developing countries?

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

MAJOR: PUBLIC ECONOMICS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. What are the differences between public from private finance?
2. Explain different types of goods.
3. Define direct taxes with examples?
4. What is Ability to pay theory?
5. Briefly explain Peacock-Wiseman hypothesis.
6. Mention any two determinants of public expenditure.
7. What are the main sources of public debt?
8. Meaning and types of Budgets.
9. Concept of vertical fiscal imbalances.
10. Explain fiscal federalism in India?

SECTION-B

II. Answer **All questions**. Each Question Carries 10 Marks

5 X 10 =50 M

11. Explain scope and importance of public finance.
Or
12. Explain the Principle of Maximum Social Advantage with a diagram?
13. Explain the various sources of public revenue.
Or
14. what are the canons of taxation? Explain
15. Explain the principles of public expenditure.
Or
16. Write a note on trends and patterns of public expenditure in India and recent reforms?
17. Discuss the effects and burden of public debt on the economy?
Or
18. Explain the Keynesian Approach of public debt?
19. Explain the objectives and functions of fiscal policy?
Or
20. Examine the objectives and recommendations of the recent Finance Commission?

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

మైనర్ పేపర్ - ఆధునిక కావ్యం

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

సమయం: 3 గంటలు

మార్కులు:70

విభాగము-అ

I. ఈ క్రింది పది ప్రశ్నలలో ఏవైనా ఐదింటికి సంక్షిప్త సమాధానాలు రాయండి.

5X4=20 మా.

1. శ్రీరంగం శ్రీనివాసరావు.
2. శ్రీ శ్రీ కవిత్వ శైలి గురించి రాయండి.
3. అభ్యుదయ కవిత్వ లక్షణాలు తెలియజేయండి.
4. 'వజ్రాయుధం' కావ్య ఖండిక గురించి రాయండి.
5. 'జయభేరి' ఇతివృత్తాన్ని తెలపండి.
6. 'ఋక్కులు' కవితను వివరించండి.
7. 'శైశవగీతిని' వివరించండి.
8. 'అద్వైతం' కవితలోని అసలైన అద్వైత ధోరణిని పరిచయం చేయండి.
9. 'ప్రతిజ్ఞ' కవితలో రచయిత తత్వాన్ని తెలపండి.
10. 'జగన్నాథుని రథచక్రాలు' కవితను వివరించండి.

విభాగము-ఆ

II. ఈ క్రింది వానిలో అన్ని ప్రశ్నలకు సమాధానాలు రాయండి.

5x10=50 మా.

11. శ్రీశ్రీ ని పరిచయం చేసి, ఆయన రచనలను కూలంకషంగా వివరించండి.
(లేదా)
12. శ్రీశ్రీ సమకాలీన అభ్యుదయ కవులను పరిచయం చేసి, వారి రచనలను తెలియజేయండి.
13. అభ్యుదయ కవితా విశిష్టతను వివరించండి.
(లేదా)
14. త్వమేవాహం, వజ్రాయుధం, రుధిరజ్యోతి కావ్యాల సారాంశాన్ని వివరించండి.
15. శ్రీశ్రీ 'మహాప్రస్థానం' కవితా సారాంశాన్ని విపులీకరించండి.
(లేదా)
16. 'బాటసారి' కవితలో శ్రీశ్రీ భావుకతను కూలంకషంగా వివరించండి.
17. బిక్షువర్షియసి కవితా సారాంశాన్ని విశదీకరించండి.
(లేదా)
18. 'అద్వైతం' కవితను విశ్లేషించండి.
19. 'కవితా! ఓ కవితా' కవితా సారాంశాన్ని వివరించండి.
(లేదా)
20. 'దేశచరిత్రలు' కవితలో శ్రీశ్రీ చిత్రించిన అభ్యుదయం ఏమిటో విశ్లేషించండి.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BBA Honours, SEMESTER-III

MAJOR: BUSINESS LAW

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries 4 marks.

5×4 = 20 M

1. Write a short note on Offer and Acceptance.
2. What is mean by Guarantee
3. Define the term Partnership firm.
4. Explain about the Promissory Note.
5. Define Company.
6. What is Doctrine of ultra vires.
7. Write a short note on conditions and warranties.
8. Sale by Non-Owners.
9. What do you understand by right to information act.
10. Explain about consumer councils.

SECTION - B

II. Answer **All questions**. Each Question Carries 10 Marks

5 X 10 =50 M

11. Define the term "Contract". Explain the essentials of a valid contract.
Or
12. What is breach of contract? Explain the remedies for breach of contract.
13. Discuss various kinds of Negotiable Instruments.
Or
14. Explain different types of partners?
15. Discuss about the Articles of association.
Or
16. Describe various modes of winding up of a company.
17. What is sale of goods act? Explain the essentials of Sale and Agreement to Sale.
Or
18. Define the term Unpaid Seller. Explain the rights of unpaid seller.
19. Discuss the overview of right to information act?
Or
20. Write about the consumer redressal agencies under consumer protection Act.?



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BBA Honours, SEMESTER-III

MAJOR: ORGANISATIONAL BEHAVIOUR

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any FIVE of the following. Each question carries 4 marks.

5×4 = 20 M

1. What do you understand by organisational behaviour?
2. Write a short note on Personality.
3. Groups Vs Teams.
4. Explain about group decision making.
5. Define the term "Leadership".
6. Managerial grid.
7. Significance of change.
8. State the reasons for resistance.
9. Organizational culture Vs organizational climate
10. Write a brief note on Organizational Power and Politics.

SECTION - B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Discuss about the factors influencing organizational behaviour.
Or
12. Explain the determinants of personality with suitable examples.
13. What is group dynamic? Explain the factors influencing group effectiveness.
Or
14. Discuss the reasons for conflicts in groups and suggest strategies for effective conflict management.
15. Outline the characteristics of effective leader.
Or
16. What are the major theories of leadership? Explain.
17. Explain the role of change agents in facilitating successful change implementation.
Or
18. What are the reasons for resistance to change? Suggest strategies for dealing with resistance to change.
19. What is organizational culture? Explain the factors influencing Organizational Culture
Or
20. Discuss the key indicators of organizational effectiveness and suggest strategies for achieving organizational effectiveness.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BBA Honours, SEMESTER-III

MAJOR: BUSINESS ENVIRONMENT

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries 4 marks.

5×4 = 20 M

1. Define Business Environment.
2. Write a short note on External environment.
3. Give a brief note on Economic environment.
4. Role of Government in Business facilitation.
5. Abbreviate MSME. What is the concept of MSME?
6. MSME Development Act 2006.
7. Components of BOP.
8. Discuss about Trade regulation.
9. What are the functions of International Monetary Fund.
10. Elucidate about objectives of GATT.

SECTION - B

II. Answer **All questions**. Each Question Carries 10 Marks

5 X 10 =50 M

11. Explain about significance and nature of the business environment.

Or

12. Discuss about Salient features of Indian Economy.

13. Role of Government in Business facilitation.

Or

14. Planning Commission Vs NITI Aayog

15. What are the Current Schemes for MSME development? Explain.

Or

16. Write about Role of Clusters in Promoting MSME.

17. What are the measures to bring back equilibrium in BOP? Explain.

Or

18. Briefly write a short note on Current Account and Capital Account convertibility.

19. Elucidate about World Trade Organization.

Or

20. Role of FDI in India.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BBA Honours, SEMESTER-III

MAJOR: BUSINESS STATISTICS AND MATHEMATICS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70**SECTION - A****I. Answer any FIVE of the following. Each question carries 4 marks.****5×4 = 20 M**

1. What are the functions of Statistics?
2. Write about tabulation of data?
3. What are the applications of arithmetic mean?
4. List out the objectives of dispersion.
5. Describe about probable error.
6. Interpretation of Regression Coefficients.
7. What is a subset? Give an example to illustrate.
8. What are the applications of set theory?
9. What do you mean by matrix addition?
10. Discuss about matrix inversion.

SECTION - B**II. Answer All questions. Each Question Carries 10 Marks****5 X 10 =50 M**

11. Define statistics. What is the importance of Statistics in business context.

Or

12. What are the methods of data Collection? Explain.

13. What are the applications of measures of central tendency towards business?

Or

14. Illustrate about i) Quartile Deviation. ii) Standard Deviation.

15. What do you mean by correlation? Explain the types of correlation.

Or

16. Comparison between correlation and regression.

17. Illustrate De Morgan's laws with examples using Venn diagrams.

Or

18. Define Arithmetic Progression. What are the applications of arithmetic progression?

19. Define Matrix Determinants. What is the role of matrix determinants in business context?

Or

20. Write the relation between minor and cofactor. Explain.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BBA Honours, SEMESTER-III

MINOR: CONSUMER BEHAVIOUR

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries 4 marks.

5×4 = 20 M

1. What do you mean by consumer behavior?
2. Write about Consumer research process.
3. Write a short note on Reference Groups.
4. Explain about personality.
5. Post purchase Evaluation.
6. Nominal Decision Making.
7. What do you mean by Consumer Motivation?
8. Self-concept theory.
9. Marketing communication Process.
10. Persuasive Communication.

SECTION - B

II. Answer **All questions**. Each Question Carries 10 Marks

5 X 10 =50 M

11. Discuss about Methods of collecting primary data and secondary data.
Or
12. Elucidate the topic of report preparation.
13. Write about behavior factors influencing consumer behaviour.
Or
14. Give a notes on i) Perception ii) Beliefs & Attitudes
15. Consumer Decision Making Process.
Or
16. Discuss Buying pattern in the new digital era.
17. Explain Maslow's hierarchy of Needs.
Or
18. Explain about i) Psychoanalytic theory ii) Trait Theory.
19. Types of Communication systems.
Or
20. Consumer Protection Act 1986.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Com SEMESTER-III

MAJOR: ADVANCED ACCOUNTING

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70**SECTION - A****I. Answer Any FIVE of the following. Each question carries 4 marks.****5 X 4=20 M**

1. Features of non-trading Organisation.

2. A Golf Club has kept its accounts on cash basis and the figures for 2013 are given below. You are required to prepare Receipts and Payments Account for the year.

Particulars	Rs.	Particulars	Rs.
Entrance fees received	2,500	Secretary's Honorarium	1,500
Subscriptions received	19,800	Cash in Hand (at 1-1-2013)	2,350
Green fees received	600	Locker rent received	500
Expenses paid	27,250	Cost of investment bought during the year	1,100
Surplus on Bar Account	7,500		

3. Calculate the missing figure

Capital in the beginning	?
Capital at the end	36,000
Capital Introduced	9,400
Drawings	5,600
Loss	2,800

4. Explain the salient features of single-entry system.

5. Term Used in Hire Purchase agreement

6. Ravi purchased a T.V on Hire purchase system. The cash price of the T.V was Rs. 7200. He agreed to pay in four instalments of Rs. 2000 each at the end of the year. Calculate interest for each year.

7. Explain essential features of a partnership

8. Define partnership deed. What are its contents?

9. Distinguish between revaluation a/c and realization a/c.

10. What are the entries in the case of dissolution of a Partnership Firm?

SECTION - B**II. Answer ALL of the following questions. Each Question Carries 10 Marks.****5X10=50 M**

11. Distinguish between the receipts and payment account and income and expenditure account.

Or12. From the following particulars prepare **Income and Expenditure account**.

Particulars	Amount Rs.
Fee collected (including Rs. 3,000 on account of last year)	28,000
Meeting expenses	2,000
Travelling & Conveyance	800
Fee for the year outstanding	5,000
Salary paid (including Rs.300 on the account of last year)	2,400
Salary outstanding for the year	400
Entertainment Expenses	500
Tournament Expenses	1,000
Purchase of Books and periodicals	1,000
Rent	1,200
Postage, telephone and telegram charges	1,700
Printing & Stationery	500
Donations Received	800

13. From the following particulars **Prepare a statement of Profit and Loss for the year ended 31st December, 2012.**

Particulars	Opening (1.1.2012)	Closing (31.12.2012)
Cash	4,000	3,000
Bank	10,000	5,000
		(Overdraft)
Debtors	80,000	75,000
Stock	30,000	28,000
Creditors	42,000	37,000
Machinery	10,000	15,000
Furniture	1,000	1,000

The proprietor drew at the rate of Rs.750 per month. He introduced 3,000 as fresh capital.

Or

14. A retailer who had kept books of accounts under single entry, supplied following information to you.

Prepare statement of profit or loss and statement of affairs as on 31-12-2020.

Particular	1-1-2020	31-12-2020
Stock	16,700	18,500
Creditor	15,400	14,000
Debtor	11,200	10,500
Cash	250	1,200
Bank Overdraft	20,200	19,400
Bills Receivables	15,050	14,200
Furniture	1,500	1,500
Machinery	1,900	1,900

The drawings during the year amount to 2,600. Depreciate furniture by 10%. Write off Rs. 300 from machinery.

Debtors include 500 bad debts. Make Provision for doubtful debts at 5% on debtors.

15. X Purchased a machine on hire purchase system the total cost price of the machine is 31,960, payable Rs. 8000 down and three installments of 12000 ,10000 and 4000 payable at the end of the first, second and third year respectively.

Interest is charged at 5% per annum. Depreciation at 10% on straight line method.

Prepare ledger accounts in the books of X.

Or

16. Coconut Growers purchase machinery on installments basis from Y Machinery Co. Ltd. on the following terms:

- Cash down payment at the time of signing agreement Rs. 12,000
- Five annual instalments of Rs. 7,700 the first to commence at the end of twelve months from the date of cash down payment.
- Interest at 10% p.a is charged by the seller.
- Depreciation at 10% p.a on written down value method.

You are required to calculate cash price and show the machinery account and vendor account.

17. On 1st January, 2022 A, B and C enter into partnership contributing Rs. 2,50,000, Rs. 1,30,000 and Rs. 1,20,000 respectively and sharing profits in the ratio of 5:3:2. B and C are entitled to salary of Rs. 16,000 and Rs. 14,500 respectively per year. Interest on capital is to be allowed at 5% per annum. 5% interest is to be charged on drawings. During the year A withdraw Rs. 40,000; B Rs. 25,000 and C Rs. 15,000. Interest being A Rs. 2,250; B Rs. 1,125 and C Rs. 725. Profit in 2022 before the above mentioned adjusted was Rs. 71,400.

Show how the profit is distributed and also prepare fixed and fluctuating capital accounts

Or

**Q.P. Code
COM301**

18. A and B are partners. Their profit sharing ratio is $\frac{3}{4}$ and $\frac{1}{4}$. On 31st December 2024 their balance sheet is as follows:

Liabilities	Rs.	Assets	Rs.
Sundry creditor	33,200	Cash at Bank	18,000
Capital:		Bills Receivable	2,400
A	24,000	Debtors	12,800
B	12,800	Stock	16,000
		Furniture	800
		Buildings	20,000
	70,000		70,000

On 1st January 2024 C was admitted as a Partner on the following conditions

- C should bring Rs. 8000 for his $\frac{1}{5}$ th share in future profits.
- Write off 10% depreciation on stock and furniture.
- Provide a provision of 5% on debtors and Bills receivable for doubtful debts.
- Value of buildings to be increased by 20%.
- Provision of Rs. 800 for payment of a Suit against the firm.
- An amount of Rs. 520 included in creditors need not be paid. Hence exclude it.

Prepare Revaluation Account, Capital Account and opening balance sheet of the firm.

19. Explain modes of dissolution of firm.

Or

20. Rama and Shyam were partners, sharing profits and losses as $\frac{2}{3}$ rd and $\frac{1}{3}$ rd respectively. On 1st January, they dissolved partnership. Their books at that date show the following:

Particulars	Rs.	Particulars	Rs.
Book-Debts	35,000	Cash in Hand	600
Stock	17,000	Bank Overdraft	1,560
Investments	9,000	Sundry Creditors	24,440
Goodwill	20,000	Capitals:	
Trade Furniture	4,400	Rama	40,000
		Shyam	20,000

The stock realised 75 per cent of its book value, and the book debts Rs, 27,800. Trade Furniture was sold for 5,000. Goodwill proved unrealizable. Investments were taken over by Rama for 12,000.

Prepare Realisation Account, Capital Accounts and Cash Account.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Com SEMESTER-III

MAJOR: INCOME TAX

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70**SECTION - A****I. Answer Any FIVE of the following. Each question carries 4 marks.****5 X 4=20 M**

1. Explain the concepts of Previous Year and Assessment Year.
2. Explain Incidence of tax.
3. What is Provident fund? Explain various types of P.F.
4. Ms. Sruthi is employed at Amritsar on a salary of 40,000/- p.m. The employer is paying H.R.A. of 10,000/- p.m. but the actual rent paid by him (employee) is 12,000/- p.m. He is also getting 2% Commission on turnover achieved by him and turnover is 50, 00,000/-.
5. Define Annual Value.
6. Explain Profession.
7. Meaning and types of capital assets.
8. Compute long-term capital gains covered U/S 112A for A.Y. 2022-23
Actual cost of acquisition on April 1, 2016 Rs. 100
FMV as on January 31, 2018 Rs. 200
Sale price as on April 15, 2021. Rs. 250
9. Income from other sources.
10. Define Total Income.

SECTION - B**II. Answer ALL of the following questions. Each Question Carries 10 Marks.****5X10=50 M**

11. Explain brief history of Income tax act 1961

Or

12. From the following particulars income of Mr. Srinu for the previous year 2021 2022 or requested you come out his requested to compute taxable income assuming Mr. Srinu as:

- (a) Ordinary resident,
- (b) Ordinary resident non ordinary resident,
- (c) Resident but not ordinary resident

Profit earned from business in Delhi Rs. 44,000

Profit of a business established in UK but controlled from India amount deposited in bank there Rs. 20,000

Salary received in U.K for services rendered in India Rs. 10,000

Profit from business in Nepal and controlled from there but received in India Rs. 12,000

Income from house property in UK received in India Rs.4,000

Income from house property in Nepal Rs. 5,000

Past untaxed foreign income brought into India during the year Rs.5,000.

13. From the following particulars, find out the taxable salary of Mrs. Babita working at Coimbatore.

(Population 11 lakhs)

(a) Salary Rs.12,000/- p.m.

(b) D.A @ 100% of salary

(c) Employers contribution to Employees Recognized Provident Fund-14% of basic salary.

(d) Rent free accommodation (unfurnished) - fair rental value is Rs. 80,000/- p.a.

(e) Interest on Provident Fund balance @ 13% p.a. Rs.3,900.

- (f) A car 1.4 lt. capacity is provided by employer. All expenses are borne by employer. It is used both for performance of duties and private purposes. Car was used by employee for only 11 months during the year.
- (g) She paid professional tax of Rs. 1,200/-.
- (h) She received Rs. 500/- p.m. as fixed medical allowance.

Or

- 14.** Mr A an employee of Ranchi [population 15 lakhs] based company provides the following particulars of a salary income:
- Basic salary Rs. 12,000 p.m
 - Profit bonus Rs. 12000
 - Commission on turnover achieved by Mr A Rs.42000
 - Entertainment allowance Rs. 2000 p.m
 - Club facility Rs.6000
 - Transport allowances Rs.1800 p.m.
 - Free use of a car of more than 1.6 lt capacity for both personal and employment purposes, expenses are met by employer
 - Rent free house provided by employer lease rent paid by employer Rs.6000 p.m.
 - Free education facility for three children of the employee: [Bills issued in the name of employer] Rs. 22,500
 - Gas water and electricity bills used in the name of employee but paid by employer Rs. 16800
- Compute income under the head salary of the assessment year 2022.**

- 15.** from the following Information **Compute Income from house property Mr. Pavan** for the assessment year 2024-2025.
- Municipal value Rs. 80,000
 Fair rental value Rs. 1, 00,000
 Standard Rent Rs. 90,000
 Actual Rent Rs. 75,000
 Municipal Taxes 10%
 Interest on loan Rs. 7,500

Or

- 16.** From the following statement, **Compute the income from the profession of Dr.S.K. Kapoor if accounts or maintained on cash / receipt system:**

Cash Receipts	Rs.	Cash payments	Rs.
To visiting fees	45,000	By dispensary rent	36,000
To consultation fees	1,25,000	By electricity and water charges	6,000
To sales of medicines	72,000	By telephone expenses	6,000
To dividends	5,000	By salary to nurse and compounder	36,000
	2, 47,000	By Dep. On surgical equipment	6,000
		By purchase of medicines	38,000
		By depreciation on X-Ray machine	4,000
		By income tax	5,500
		By Donation to Ramakrishna mission	4,000
		By motor car expenses	9,600
		By Depreciation on car	4,800
		By balance c/d	91,100
			2, 47,000

Additional Information:

- Electric electricity and water charges include domestic bill of Rs.2500
- Half of motor car expenses or for professional use
- Telephone expenses include 40% for personal use
- Opening stock of medicines was Rs. 6000 under closing stock was Rs.4000.

17. Discuss the procedures for computation of capital gains.

Or

18. R. Lakshmi has the following investments and income in the previous year resources 31/ 3 /2022 calculate her income from other sources.

Dividend from an Indian company Rs. 7800

Examiner ship remuneration Rs. 2000

Royalty by the publication of book Rs. 48,000

Winnings from lottery (Net) Received on 1/3 /2022 – Rs.35000

Rs. 40000 10% debentures of company (unlisted)

Rs. 40000 12% Punjab government securities

Rs. 50000 13% less tax commercial securities and (unlisted)

Rs. 40000 10% tax free debentures of a company (unlisted)

Rs. 5400 as interest on tax-free debentures (listed) received on 1/3 /2022

In October 2021 she sold the above Rs.40000 10% tax free debentures of a company for Rs. 45000.

In December 2021 she inherited Rs. 63,000 10% tax free debentures listed of XY Co.Ltd from her father.

Interest on the above securities falls due on December 31st of every year.

She Claims the Following Deductions:

1) Collection charges for interest and dividend @ 2% of net amount realised.

2) Purchase of lottery tickets Rs. 2,000.

19. Mr. Suresh provides the following details for the Financial Year 2024–25:

Basic Salary: Rs. 5,00,000

HRA Received: Rs. 1,50,000

Rent Paid (Delhi): Rs. 1,80,000

Self-occupied house (home loan interest): Rs. 2,00,000

Interest on Savings Bank Account: Rs. 12,000

Life Insurance Premium paid: Rs.80,000

Mediclaime Premium (self + parents): Rs. 25,000 + Rs. 30,000

Compute Mr. Suresh's total income for the assessment year 2025–26.

Or

20. Mrs. Meenakshi, a retired teacher, furnishes the following information:

Pension: 3,00,000

Interest from Bank FDs: Rs. 40,000

Rent from house property: Rs. 2,40,000

Municipal taxes paid: Rs. 20,000

Standard Deduction on Pension: Rs.50,000

Life Insurance Premium: Rs. 30,000

Medical insurance premium (self): Rs.25,000

Compute her total income for the assessment year 2025–26.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Com SEMESTER-III

MAJOR: E COMMERCE & WEB DESIGNING

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries 4 marks.

5×4=20 M

1. What is web 2.0?
2. Explain the typical application areas of E-Commerce.
3. Explain about components of Customer Relationship Model (CRM).
4. Explain about B2b model.
5. What is Information Security Management (ISM). Describe the goals of ISM.
6. Explain about Business and Money.
7. Explain the differences between HTML and HTML5.
8. Explain about block elements in HTML.
9. Write about Text Properties in CSS.
10. Write about the Basic Syntax and structure of CSS.

SECTION - B

II. Answer **ALL** of the following questions. Each Question Carries 10 Marks.

5X10=50 M

11. Explain about different types of e-commerce.
Or
12. Describe seven steps for fundamental sales process in e-commerce.
13. Write about B2C Software Systems.
Or
14. Write the differences between B2B and B2C.
15. Explain about foundations of risk management.
Or
16. Explain the payment procedures of Electronic Payment.
17. What is HTML? Explain the structure of HTML program.
Or
18. Write about Code Related elements in HTML.
19. Explain the Color Properties in CSS.
Or
20. Write about Border properties in CSS.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Com SEMESTER-III

MAJOR: DIGITAL MARKETING

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.

Max. Marks: 70

SECTION - A

I. Answer Any FIVE of the following. Each Question Carries 4 Marks

5 X 4=20 M

1. Define digital marketing and explain its key components?
2. What are the Characteristics of digital marketing?
3. Briefly describe the types of online advertising?
4. What is a Landing Pages?
5. What are the essential elements of an effective e-mail marketing strategy?
6. Discuss the importance of segmentation in e-mail marketing?
7. What is a Webinar? Key features of Webinars?
8. What is social media engagement, and why is it crucial for businesses?
9. How does on-page optimization affect in SEO?
10. Differentiate between on-page and off-page SEO techniques?

SECTION - B

II. Answer ALL of the following questions. Each Question Carries 10 Marks.

5X10=50 M

11. Explain the key challenges faced in digital marketing and how to overcome them?
Or
12. Discuss the role of data analytics in shaping digital marketing strategies?
13. Describe the different types of online advertising and their effectiveness?
Or
14. Explain the types of Landing Pages?
15. Outline the steps involved in creating a successful e-mail marketing campaign?
Or
16. What are the Advantages and Disadvantages of E-Mail Marketing?
17. Examine the strategies used in social media marketing to build brand loyalty?
Or
18. Discuss the impact of social media algorithms on content visibility and marketing strategies?
19. Describe the process of optimizing a website for search engines?
Or
20. What is Search Engine Rank? Explain the SEO process?



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B. Com SEMESTER-III

MINOR: ORGANISATION BEHAVIOUR

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer Any FIVE of the following. Each Question Carries 4 Marks.

5X4=20 M

1. Importance of Organization Behaviour
2. Define Perception, Values and Attitudes
3. Concept of Motivation
4. Characteristics of Leadership
5. Types of Groups
6. Johari Window
7. What is meant by Resistance to Change?
8. Importance of Organizational Change
9. Types of Morale
10. Organizational Power and Politics

SECTION - B

II. Answer ALL of the following questions. Each Question Carries 10 Marks.

5X10=50 M

11. Explain the Factors influencing Organizational Behaviour.

Or

12. What are the different Stages of Personality Development?

13. Discuss the Theories of Motivation.

Or

14. Elucidate different Leadership Styles.

15. Explain the Characteristics of Group Dynamics.

Or

16. What are the steps involved in Group Decision-making?

17. What are the Factors influencing Organizational Change?

Or

18. Explain the Process of Organizational Development.

19. Distinguish between Organizational Culture and Organizational Climate.

Or

20. Explain how to manage Organizational Conflicts.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc (Bot), SEMESTER-III

MAJOR: VASCULAR PLANTS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Lycopodium types (sub genera)?
2. Marsilea petiole T.S?
3. Cycas megasporophyls?
4. Gnetum morphological characters?
5. General recommendations of ICBN?
6. Tendril in Cucurbitaceae?
7. Spikelet?
8. Flavonoids?
9. Advantages, Disadvantages of numerical taxonomy?
10. Primitive and advanced characters of angiosperms?

SECTION – B

II. Answer **ALL** questions. Each Question Carries 10 Marks.

5 X 10 =50 M

11. Describe the internal structure of lycopodium stem (T.S)?
Or
12. Describe stellar evolution in pteridophytes?
13. Describe the internal structure of primary stem in gnetum (T.S) add a note on its secondary growth?
Or
14. Explain life cycle of Cycas?
15. Explain herbarium?
Or
16. Describe the classification of bentham and hooker. Mention the merits and demerits of it?
17. Describe the vegetative and floral characters of the family annonaceae and add a note on its economic importance?
Or
18. Describe the vegetative and floral characters of the family Asteraceae (Compositae) and add a note on its economics importance?
19. Explain taxonomy in relation to anatomy?
Or
20. Explain cytology in relation to taxonomy?



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(Bot), SEMESTER-III

MAJOR: PLANT PATHOLOGY AND PLANT DISEASES

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Write short notes on scope of plant pathology.
2. Write a short note on coffee rust.
3. Write short note on toxins.
4. Write an essay on role of enzymes in pathogenesis.
5. What are the advantages of remote sensing in plant pathology.
6. Describe IPDM technique for rice.
7. Write short notes on management of Pigeonpea blight.
8. Discuss in detail about tikka disease of groundnut.
9. Write a short note on control and management of Phomopsis blight.
10. Write short note on Anthracnose in Punica granatum.

SECTION – B

II. Answer **All** questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Write an essay on some of the plant disease classifications.

Or

12. Explain dispersal of plant pathogens through passive process.

13. Give a brief account on role of growth regulators in plant pathogenesis.

Or

14. What are biochemical defense mechanism? Describe pre-existing chemical defenceses.

15. Give a brief account on cultural control practices used in plant diseases.

Or

16. What is resistance? Explain different types of plant disease resistance.

17. Explain in detail about rotten neck disease of rice.

Or

18. Discuss in detail account on downy mildew disease in bulrush or bajra millet.

19. Explain etiology, symptoms, epidemiology, mode of spread and management strategies of yellow vein mosaic disease in okra/ ladies finger/bhendi (*Abelmoschus esculentus*).

Or

20. Explain etiology, symptoms, mode of spread and management strategies of coconut basal stem rot/Thanjavur wilt/Bole rot disease (*cocos nucifera* L.).



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(Bot), SEMESTER-III

MAJOR: PLANT BREEDING

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. A brief account of self and cross pollination.
2. Genetic variation in crop improvement.
3. What is Male sterility.
4. Classification of SI.
5. Objectives of plant introduction.
6. Germplasm collection.
7. Dominance hypothesis.
8. Emasculation – methods.
9. Applications of SNPs.
10. MAS

SECTION – B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Explain aim and objectives of plant breeding.

Or

12. What is apomixis? are its types? Write the advantage of apomixes.

13. Explain heteromorphic and homomorphic systems.

Or

14. Explain centres of origin of crop plants.

15. Explain plant introduction agencies in India.

Or

16. Explain pure line selection method- procedure, advantages and disadvantages, achievements.

17. Write about the types of Hybridization.

Or

18. Explain cross-pollinated crops: back cross method- procedure, advantages and disadvantages, achievements.

19. Explain procedure of mutation breeding.

Or

20. Describe Restriction Fragments Length Polymorphism (RFLP).



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(Bot), SEMESTER-III

MAJOR: PLANT BIOTECHNOLOGY

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Totipotency
2. Organogenesis
3. Advantages and disadvantages of Micropropagation
4. Application of Endosperm culture
5. Bioreactors in production of secondary metabolites
6. Protoplast culture methods
7. FLAVR-SAVR TOMATO
8. PR Proteins
9. Genetically modified foods
10. Applications of polyhydroxybutyrate

SECTION – B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. What is Somatic Embryogenesis? Explain the procedure for induction of somatic embryogenesis?

Or

12. What is callus culture? Explain the procedure for initiation and maintenance of callus culture?

13. What is Meristem culture? Explain the procedure involved in meristem culture?

Or

14. Write an essay on pollen culture or androgenic haploid production?

15. Write an essay on cell suspension culture?

Or

16. Describe various aspects of somatic hybridization?

17. Write an essay on Herbicide resistance to Glyphosphate?

Or

18. Give an account of Introduction to virus resistance nucleocapsid genes?

19. Give an account of Biodegradable plastic

Or

20. Write an essay on Biofortification?



Q.P. Code
BOT305

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Sc(Bot), SEMESTER-III

MINOR: FUNDAMENTALS IN ORGANIC CHEMISTRY

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer **any FIVE questions**. Each Question Carries 4 Marks $5 \times 4 = 20$ M

1. Explain the concept of hyperconjugation?
2. Explain about Acidity of carboxylic acids?
3. Write short note on (a) Corey-House synthesis (b) Wurtz reaction
4. Write short note on physical and chemical properties of alkanes?
5. Write a note on Markownikoff rule?
6. Write about Syn addition reaction?
7. Explain about decarboxylation reaction?
8. Discuss the halogenation of Benzene? Explain the reagents, conditions and final product obtained after reaction?
9. Write a short note on Orientation of aromatic substitution - ortho, Para and meta directing groups?
10. Write a short note on Orientation of Amino, and methyl groups?

SECTION – B

II. Answer **ALL questions**. Each Question Carries 10 Marks. $5 \times 10 = 50$ M

11. Explain the concept of Electrophilic Substitution reaction?
Or
12. Define resonance or mesmeric effect and explain factors affecting mesomeric effect and its applications?
13. Explain Baeyer strain theory and its significance in understanding the stability of cycloalkanes?
Or
14. Explain the Cyclohexane conformations with energy diagram, Conformations of monosubstituted cyclohexane?
15. Write the general methods of preparation of alkenes and alkanes?
Or
16. Write Electrophilic additions like H_2 , HX with mechanisms?
17. Write the Structure of Benzene – Preparation - polymerisation of acetylene?
Or
18. Explain Friedel crafts alkylation and acylation reactions, including the role of Lewis acids as catalysts?
19. Define aromaticity? Explain about aromaticity rules and importance of aromaticity?
Or
20. What is Huckel's Rule? Write some examples of Huckel's rule in aromatic compounds?



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BSc(CS), SEMESTER-III

MAJOR: OBJECT ORIENTED PROGRAMMING USING JAVA

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks 5 X 4 =20 M

1. What is the difference between object-oriented programming and procedural programming?
2. Explain the type conversion and type casting.
3. Explain about jumping statements.
4. Explain about the method overriding.
5. What is the purpose of super keyword?
6. Define interfaces? How to implement interfaces in java?
7. What is the role of try, catch and throw blocks in exception handling?
8. How to understanding CLASSPATH in java?
9. Explain about thread priorities.
10. Explain about grid layout.

SECTION-B

II. Answer **All questions**. Each Question Carries 10 Marks 5 X 10 =50 M

11. Define object-oriented programming? Explain the object-oriented programming concepts?

Or

12. Discuss the looping statements in java with example.

13. What is an array? Explain one dimensional array in java with example.

Or

14. What is a constructor? Explain the different types of constructors in java with example.

15. What is inheritance? Explain different types of inheritances in java.

Or

16. What is interface? How to implement, accessing and extending interfaces?

17. Define a package? How to creating and implementing packages in java?

Or

18. Explain about checked exceptions and unchecked exceptions.

19. What is a thread? Explain the life cycle of thread.

Or

20. Explain the MVC architecture in Swing GUI programming.



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UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(CS), SEMESTER-III

MAJOR: DATA STRUCTURES USING C

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION – A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Define Algorithm and explain its characteristics?
2. Difference between Data type and Data structures?
3. Explain difference between Linked List and Array?
4. Write an algorithm to traverse a single linked list?
5. Write the applications of Stacks?
6. Explain the representation of Queue using Linked list?
7. Explain the limitations of Bubble Sort?
8. Explain the advantages of using Linear Search over Binary Search?
9. Explain the applications of Binary Tree?
10. Explain the sequential representation of Graphs?

SECTION – B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Define Data Structure? Explain the types of data structures with example?
Or
12. Define Array. Write an algorithm to insert an element into one dimensional array?
13. Write an algorithm to delete a node at end of the single linked list with an example?
Or
14. Define LinkedList. Explain the types of linked lists with an example?
15. Explain the implementation of Stack using linkedlist?
Or
16. Define Queue. Explain the types of Queues with an example?
17. Explain the working of Indexed Sequential Search?
Or
18. Explain the working of Insertion Sort?
19. Define Binary Search Tree. Write an algorithm to perform insertion operation in Binary Search Tree.
Or
20. Define Graph. Explain how BFS algorithm works?



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UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(CS), SEMESTER-III

MAJOR: COMPUTER ORGANIZATION

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION – A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Explain about different types of computer registers?
2. Explain about instruction cycle?
3. Explain about hardwired control?
4. Explain in detail about Control memory?
5. How to perform binary addition and subtraction with an example?
6. Explain about arithmetic pipeline concept.
7. What is cache memory?
8. Explain about memory hierarchy.
9. Explain different modes of data transfer?
10. Explain about input-output interface.

SECTION – B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Explain in detail about the functional units of a computer?
Or
12. Explain in detail about register reference and memory reference instructions.
13. Explain about different types of addressing modes in computer organization.
Or
14. What is instruction format? Explain different instruction formats.
15. Explain about Intel 8086 microprocessor architecture.
Or
16. Explain in detail about pipelining concept in computer organization.
17. What is auxiliary memory? Explain different types of auxiliary memory devices?
Or
18. Explain different types of mapping techniques in computer organization.
19. Explain about asynchronous data transfer mode.
Or
20. Explain in detail about the working of Direct Memory Access.



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UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(CS), SEMESTER-III

MAJOR: OPERATING SYSTEMS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION – A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. What is an operating system and its basic functions?
2. What is resource abstraction?
3. What is process abstraction?
4. What is kernel? Explain different types of kernels?
5. What is deadlock? How to avoid deadlock?
6. Explain Reader – writer problem in process synchronization.
7. What is paging in memory management?
8. Differentiate between physical and virtual address space.
9. Explain about shared memory in operating system?
10. Explain about Device management in operating system?

SECTION – B

II. Answer **All questions**. Each Question Carries 10 Marks

5 X 10 =50 M

11. What is an operating system? Explain its basic functions.
Or
12. Explain in detail about multiprogramming and batch operating systems.
13. What is a system call? Explain different types of system calls in operating system.
Or
14. What is scheduling? Explain about preemptive and non – preemptive scheduling algorithms.
15. What is deadlock? Discuss various strategies for avoiding deadlock in a system.
Or
16. Explain the classical synchronization problem of producer-consumer using semaphores.
17. Explain about segmentation in operating system.
Or
18. Explain about memory allocation strategies in operating system.
19. Explain about the directory structure in operating system.
Or
20. Explain the working of C-SCAN, C-LOOK AND FCFS scheduling algorithms.



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UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(CS), SEMESTER-III

MINOR: SOLID GEOMETRY

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.**Max. Marks: 70****SECTION – A****I. Answer any FIVE questions. Each Question Carries 4 Marks** 5 X 4 =20 M

1. Find the equation of the plane through the points (2,2,1), (9,3,6) and perpendicular to the plane

$$2x + 6y + 6z = 9.$$

2. Find the angle between planes $2x - 3y - 6z = 9$ and $6x + 3y - 2z = 18$.

3. Prove that the four points (1,2,3), (4,0,4), (-2,4,2), (7, -2,5) are collinear

4. Find the image of (2, -1,3) in the plane $3x - 2y + z = 9$.5. Find the equation of the sphere through the points (1, -4,5), (1, -5,2), (1, -3,0) and whose centre lies on the plane $x + y + z = 0$.

6. A variable plane passes through a fixed point (1,1,1) and meets the axes in A, B, C. Show that the locus

$$\text{of the centre of the sphere OABC is } \frac{1}{x} + \frac{1}{y} + \frac{1}{z} = 2$$

7. Find the equation of the radical line of the spheres

$$x^2 + y^2 + z^2 + 4y = 0, x^2 + y^2 + z^2 + 3x - 2y + 8z + 6 = 0, x^2 + y^2 + z^2 + 2x + 2y + 2z + 2 = 0.$$

8. Find the limiting points of the co-axial system defined by the spheres

$$x^2 + y^2 + z^2 + 4x - 2y + 2z + 6 = 0, x^2 + y^2 + z^2 + 2x - 4y - 2z + 6 = 0.$$

9. Find the equation of the cylinder whose generators are parallel to the line $\frac{x}{1} = \frac{y}{-2} = \frac{z}{3}$, and the guiding curve is the ellipse $x^2 + 2y^2 = 1, z = 3$.10. Find the equation to the right circular cylinder whose guiding circle is $x^2 + y^2 + z^2 = 9$,

$$x - y + z = 3.$$

SECTION – B**II. Answer All questions. Each Question Carries 10 Marks** 5 X 10 =50 M

11. Show that following points are coplanar (-6,3,2), (-13,17, -1), (3, -2,4), (5,7,3).

Or12. Find the equations of the plane bisecting the angles between the planes $2x + 2y + 2z = 19$,

$$4x - 3y + 12z + 3 = 0.$$
 point out which plane bisects the acute angle.

13. Find the image of (1,3,4) in the plane $2x - y + z + 3 = 0$.**Or**14. Show that lines $x + 2y + 3z - 4 = 0, 2x + 3y + 4z - 5$ and $2x - 3y + 3z - 5 = 0 = 3x - 2y + 4z - 6$ are coplanar and find the equation of the plane containing them.

15. A sphere of constant radius k passes through the origin and intersects the axes in A,B,C. Prove that the centroid of the ΔABC lies on the sphere $9(x^2 + y^2 + z^2) = 4k^2$.

Or

16. Find the centre and radius of the circle $x^2 + y^2 + z^2 - 2y - 4z - 11 = 0$, $x + 2y + 2z - 15 = 0$.

17. Find the limiting points of the co-axial system

$$x^2 + y^2 + z^2 - 20x + 30y - 40z + 29 + \mu(2x - 3y + 4z) = 0.$$

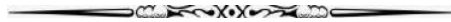
Or

18. Find the radical plane of the spheres $x^2 + y^2 + z^2 = 25$ and $x^2 + y^2 + z^2 - 4x + 6y - 2z = 0$.

19. Find the equation of the enveloping cylinder of the sphere $x^2 + y^2 + z^2 + 2x - 4y - 1 = 0$, having its generators parallel to the line $x = y = z$.

Or

20. Find the equation of a cylinder whose generators are parallel to the z-axis and which passes through the circle $x^2 + y^2 = 9$, $z = 0$.



Q.P. Code
CS305