

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.).

