

26023688



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Reg. No.....

Name.....

M.Sc. MICROBIOLOGY DEGREE (C.S.S.) EXAMINATION, MAY 2026

Fourth Semester

MB4PG12—VIROLOGY, MYCOLOGY AND PROTOZOOLOGY

(2018 Admissions—Second Mercy Chance/2017 Admissions—Final Mercy Chance/
2016 Admissions—Last and Final Special Mercy Chance)

Time : Three Hours

Maximum Weight : 30

I. Write short notes on any *five* questions. Weight 1 each :

- 1 Envelope.
- 2 Virulent phages.
- 3 Interferon.
- 4 Ketoconazole.
- 5 Athlete's foot.
- 6 Peplomers.
- 7 Prognosis.
- 8 Aberrant parasite.

(5 × 1 = 5)

II. Write Short essay on any *five* questions. Weight 2 each :

- 9 Give brief notes on modern viral vaccines.
- 10 Write notes on capsids.
- 11 Define ID 50. And list its uses.
- 12 Write the antigenic structure of *Candida albicans*.
- 13 Write about the staining techniques of fungi.

Turn over





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- 14 Give brief notes on hair baiting technique.
- 15 Write about the salient features of protozoa.
- 16 Give short notes on sporotrichosis.

(5 × 2 = 10)

III. Answer any *three* in detail. Weight 5 each :

- 17 Explain in detail about the *Coccidioidomycosis*.
- 18 Describe elaborately structure, reproduction and pathogenicity of HIV.
- 19 Classify picornavirus explain the strategy adopted for the prophylaxis of poliomyelitis.
- 20 Explain in detail about the pathogenicity and lab diagnosis of *Toxoplasma gondii*.
- 21 Describe elaborately structure, the pathogenicity of *Giardia lamblia*.
- 22 Write in detail about the polyenes derivatives of antifungal agents.

(3 × 5 = 15)

