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Reg. No.....

Name.....

M.Sc. (MICROBIOLOGY) DEGREE (C.S.S.) EXAMINATION, MAY 2020

Fourth Semester

MB4 PGE7—CLINICAL MICROBIOLOGY

(2012 Admission onwards)

Time : Three Hours

Maximum Weight : 30

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

- 1 Biological Containment.
- 2 Iatrogenic infections.
- 3 Lumbar puncture.
- 4 V-R Media.
- 5 Systemic infections.
- 6 Meningitis.
- 7 Pyogens and Pyrogens.
- 8 Serology.

(5 × 1 = 5)

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

- 9 Discuss the various methods and precautions taken in the transportation of clinical specimens.
- 10 Explain the significance of Good Microbiological practices in clinical laboratories.
- 11 Describe the laboratory diagnosis of Gastro Intestinal Infections.
- 12 Comment on Emerging diseases and their control measures.
- 13 Discuss the etiology and clinical manifestations of eye and ear infections.
- 14 Describe the various clinical manifestations associated with immuno compromised individual
- 15 Explain automated microbial identification system.
- 16 Discuss various immuno prophylactic measures adopted against infectious diseases.

(5 × 2 = 10)

Turn over





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

- 17 Discuss the classification and mailing of hazardous biological agents in clinical laboratories.**
- 18 Explain the collection, transportation and processing of Urine and Sputum samples.**
- 19 Describe the etiology, pathogenicity, clinical manifestations, laboratory diagnosis and treatment of bacterial Respiratory tract infections.**
- 20 Explain in detail the etiology and clinical manifestations of Skin, Soft tissues and Wound infections.**
- 21 Discuss the various molecular techniques employed in clinical diagnosis.**
- 22 Explain Central Nervous System disorders associated with the diseases- Tetanus and Rabies.**

(3 × 5 = 15)

