

Total number of printed pages-3

34 (2) MICR & PATH 2.1

2018

MICROBIOLOGY AND PATHOLOGY

Full Marks : 40+40=80

Time : Three hours

The figures in the margin indicate full marks for the questions.

FIRST HALF

(Microbiology)

1. Answer the following : 2×5=10
- (a) Name *two* bacteria that cause food poisoning in human.
 - (b) Define Vector. Write one example of vector.
 - (c) Write *any two* properties of virus.
 - (d) Name *any two* opportunistic mycoses along with their causative agents.
 - (e) What are primary lymphoid organs ?

Contd.

2. Answer **any four** of the following :

5×4=20

- (a) Discuss type I hypersensitivity with its detailed mechanism.
- (b) Describe various mode of action of antibiotic.
- (c) Discuss poliomyelitis with reference to its causative agent, pathogenesis and measures to prevent it.
- (d) Discuss pathogenicity of *Vibrio Cholerae*.
- (e) Discuss Laboratory methods for diagnosis of Fungal infection.

3. Answer **any one** of the following :

10×1=10

- (a) Discuss the structure of bacterial cell with a labelled diagram.
- (b) Discuss pathogenicity and lab diagnosis of *Enterobacterial*.

SECOND HALF

(Pathology)

Answer **any one** out of two : 1×10=10

1. Define Cirrhosis of liver. Describe its classification, etiology and Pathology.

Or

2. Define Bronchial Asthma. Mention its etiology, Pathogenesis and clinical features.

3. Answer **any four** out of **five** : 5×4=20

- (a) Etiology of meningitis
- (b) Difference between Primary and Secondary Union of wound.
- (c) Structure of Immune System
- (d) Pathology of Bronchiectasis
- (e) Type IV hypersensitivity reaction.

4. Answer **all** questions : 5×2=10

- (a) Types of necrosis
- (b) Clinical features of Rickets
- (c) Cysticercosis of Brain
- (d) Prevention of HIV infection
- (e) Fallot's Tetralogy of heart.