

Total number of printed pages-4

34 (2) MICR & PATH

2020

MICROBIOLOGY AND PATHOLOGY

Full Marks : 40+40=80

Time : Three hours

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

(Microbiology)

1. Answer the following questions : 2×5=10
 - (a) Define parasite and their types. Give examples.
 - (b) What are the different routes of infection? Name them with examples.
 - (c) Write *two* properties of antigen-antibody reaction.
 - (d) Write about Poliomyelitis.
 - (e) Write about the general properties of Fungi.

Contd.

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

5×4=20

- (a) Discuss pathogenicity of Staphylococcus aureus.
- (b) What are antimicrobials and their modes of action? Name some examples of the antimicrobials.
- (c) Discuss mode of transmission and pathogenicity of Tuberculosis.
- (d) Write about Cell-mediated immunity and its role in immunity.
- (e) What is hypersensitivity? Write about the mechanism of Type I hypersensitivity.
- (f) What are mycoses? Classify mycoses with a short note for each type.

3. Answer only **one** from the following :

10×1=10

- (a) What is HIV Infection? Describe the mechanism, mode of transmission and laboratory diagnosis.

Or

- (b) Discuss lymphoid organs and tissues. Write about the different types of Antigen-Antibody Reactions.

(Pathology)

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

1. Define and classify cirrhosis. Discuss the pathogenesis and morphology of alcoholic cirrhosis.

Or

2. Define and classify shock. Describe the etiology, pathogenesis and morphological changes in various organs in shock.

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

- (a) Describe the pathology and complications of rheumatic heart disease.

- (b) Describe healing by first intention. Mention complications of wound healing.

- (c) Name *four* metastatic tumors in liver.

- (d) Primary tuberculosis (Ghon complex) and its fate.

4. Answer **all** questions : *Describe vit B deficiency disease* 2×5=10

- (a) Apoptosis

- (b) Aschoff bodies (Aschoff nodules)

(c) Carcinoma *in situ*

(d) Clinical consequences of thrombi

(e) Fatty liver.
