

Total number of printed pages-4

34 (2) PAHT/MICR 2.1

2017

PATHOLOGY & MICROBIOLOGY

Full Marks : 40+40=80

Time : Three hours

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

PATHOLOGY

1. Answer ***any one*** out of ***two*** : 10
 - (a) Define inflammation. Mention sign of inflammation, its classification, pathology of Acute Inflammation.
 - (b) Define Shock with its classification, Etiology and Pathogenesis.

Contd.

2. Answer **all** of the following : 5×4

- (a) Pathology of Bronchiectasis.
- (b) Difference between Primary and Secondary healing of wound.
- (c) Define Necrosis and mention its different types.
- (d) Define Amyloidosis.

3. Answer **all** briefly : 2×5

- (a) Mention complication of Diabetes Mellitus.
- (b) What is chronic liver abscess ?
- (c) What do you mean by Microcytic Hypochromic Anaemia ?
- (d) Define Status Asthmaticus.
- (e) Primary prevention of HIV.

MICROBIOLOGY

1. Answer **any one** : 10

- (a) Discuss morphology, pathogenesis, lab diagnosis and treatment of clostridium.

Or

- (b) What is immunoglobulin ? Discuss its structure and classification.

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

5×4=20

- (a) Discuss various factors affecting bacterial growth.
- (b) Discuss lab diagnosis of virus.
- (c) Write the mechanism of type I hypersensitivity.
- (d) Classify mycoses and write *two* points for each with a suitable example.
- (e) Illustrate malarial parasite life cycle with a special reference to its pathogenesis in human.

3. Answer **all** of the following : 2×5=10

(a) Name the causative agents of

(i) Cryptococcosis

(ii) Syphilis.

(b) What is Zoonosis ? Give *two* examples.

(c) Write *two* important properties of antigen.

(d) What is primary lymphoid organ ?
Name the primary lymphoid organs in human body along with their functions.

(e) Write *two* methods for laboratory diagnosis of virus.