34 (2) PATH & 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.

FIRST HALF

(Pathology)

*Answer **any one** out of **two**.*

1. Describe the vascular and cellular events in Acute inflammation. 1×10=10

Or

2. What are the different types of Edema? Write in short about their pathogenesis.

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

   (a) Atrophy and Aplasia

(b) Vitamin-B deficiency diseases

(c) Define Anemia

(d) Occupational lung diseases

(e) Pancreatitis.

4. Answer ***all*** questions : 5×2=10

(a) Pathologic calcification

(b) HIV infection

(c) Myocardial infarction

(d) Cholecystitis

(e) Melanoma.

SECOND HALF

(Microbiology)

1. Answer the following : 2×5=10

(a) What is Sterilisation? Name *two* methods for sterilising glassware.

(b) Name *two* sexually transmitted diseases and the causative organisms responsible.

(c) Write *two* uses of Agglutination reaction.

(d) What is Mycotoxin? Give *two* examples of potent Mycotoxins.

(e) Differentiate between primary and secondary Lymphoid organs.

2. Answer ***any four*** of the following : 5×4=20

(a) Discuss laboratory diagnosis of virus.

(b) What is Bacterial Growth Curve? Discuss various phases of it.

(c) Write a short note on Poliomyelitis.

(d) Discuss the pathogenicity of Staphylococcus.

(e) What is Hypersensitivity? Write the mechanism of type III Hypersensitivity with a suitable example.

3. Answer ***any one*** of the following : 10

(a) Discuss Morphology, Growth Characteristics, Pathogenicity and Lab Diagnosis of *Mycobacterium Tuberculosis*.

(b) Discuss the structure of HIV. Write a detailed account on the infection they cause and laboratory diagnosis.