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Roll No.

B.D.S. II Prof.

5138 (AN)

B.D.S. Supply & Main Examination,

Feb. 2016

General Pathology & Microbiology

(BDS - 04)

Time : Three Hours]

[Maximum Marks : 70

Note : Attempt **all** question. Illustrate your answer with suitable diagrams. Use separate copy for Part-A & Part-B.

Part - A

(General Pathology)

1. Define Inflammation. Discuss the role of chemical mediators in acute inflammation.

7

P.T.O.

2. Define and classify Oedema. Describe the

pathogenesis of oedema.

7

3. Differentiate between:

4 × 3 = 12

(a) Immediate and delayed hypersensitivity

(b) Dystrophic and metastatic Calcification

(c) Necrosis and Apoptosis

(d) Adenoma and Carcinoma

4. Write short notes on : (Any **three**) 3 × 3 = 9

(a) Human Oncogenic Viruses

(b) Iron deficiency Anemia

(c) Aphthous Ulcer

(d) Osteomyelitis

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Part - B

(Microbiology)

1. Name various types of disinfectants and discuss the role of halogens in chemical disinfections.

10

2. Describe in detail the sources of infections to humans beings.

10

3. Briefly write on (Any **three**)

5 × 3 = 15

(a) Type Ist Hypersensitivity reaction

5

(b) Modes of HCV transmission

5

(c) Diseases caused by Streptococcus pyogenes

5

(d) Opportunistic pathogens

5

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Roll No.

B.D.S. II Prof.

5138(AN)

**B.D.S. Supply. & Main Examination,
November-2016**

General Pathology & Microbiology

(BDS-04)

Time : Three Hours]

[Maximum Marks : 70

Note : Answer **all** questions. Illustrate your answer with suitable diagrams. Use separate copy for **Part-A** and **Part-B**.

Part-A

(General Pathology)

1. Write in detail about cell derived chemical mediators of inflammation. 7
2. Describe and classify diabetes mellitus. Describe its pathogenesis, clinical features and complications. 7

P.T.O.

3. Differentiate between : $3 \times 4 = 12$
- (a) Healing by primary intention and secondary intention.
 - (b) Red infarct and white infarct
 - (c) T cell and B cell
 - (d) Benign and malignant tumors
4. Write short notes on (**any 3**) : $3 \times 3 = 9$
- (a) Causes of lymph adenopathy.
 - (b) Idiopathic Thrombocytopenic Purpura (ITP)
 - (c) Chemotaxis
 - (d) Thiamine deficiency.

Part-B

(Microbiology)

1. Describe the pathogenesis, clinical features, laboratory diagnosis and management of corynebacterium diphtheriae. 10

2. Describe in detail about the principle, types and applications of Elisa.
3. Discuss briefly about (any **three**): $5 \times 3 = 15$
 - (a) Autoclave
 - (b) Oral thrush and its diagnosis.
 - (c) Opportunistic infections in HIV.
 - (d) Labelled diagram of giardia lamblia cyst.