

5138(AN)

B.D.S. Supply. & Main Examination,

May-2018

**GENERAL PATHOLOGY AND
MICROBIOLOGY**

[BDS-04(N)]

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

1. What is granulomatous inflammation ? Enumerate some granulomatous diseases. 7
2. Define and describe paraneoplastic syndromes. 7
3. Differentiate between : 3×4=12
 - (a) Reversible injury and Irreversible Injury.
 - (b) Dystrophic and metastatic calcification
 - (c) Antemortem and Post-mortem clot
 - (d) Type-I and Type-II Diabetes mellitus.

5138(AN)

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4. Write short notes on any 3 : 3×3=9
- (a) Classification of Hodgkin's Lymphoma
 - (b) Peripheral Blood Picture of Iron deficiency anemia
 - (c) Cellular events involved in acute inflammation.
 - (d) Cell and tissue regeneration.

Part-B

Microbiology

5. Define complement system. Discuss alternate pathway of complement in detail. 10
6. Describe in detail about : 5×2
- (a) Hot air oven
 - (b) Conjugation
7. Write briefly about (any *three*) 5×3=15
- (a) Oral lesions of Syphilis
 - (b) Inclusion bodies
 - (c) Oral thrush
 - (d) Intestinal amoebiasis.

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B.D.S.-II Prof.

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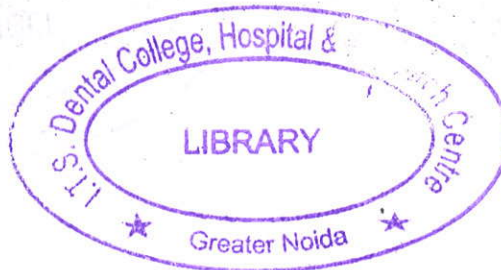
Note : Attempt all the questions. Illustrate your answer with suitable diagrams. Use separate copy for Part-A and Part-B.

Part-A
(General Pathology)

1. What is cell injury ? Describe in detail about various types of cell injury and also its mechanism. 7
2. What is neoplasia ? Classify and write in short about pathogenesis of neoplasia. 7
3. Differentiate between : 3×4=12
 - (a) Apoptosis and necrosis
 - (b) Dystrophic and metastatic calcification
 - (c) Humoral and cellular immunity
 - (d) Thrombosis and embolism.

5138(AN)

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4. Write short notes on -

3×3=9

- (a) Ame Loblastoma
- (b) Microscopic picture of squamous cell carcinoma
- (c) Tumours of salivary gland.

Part-B
(Microbiology)

1. Define Hypersensitivity. Explain type I and type IV hypersensitivity reaction in detail. 10

2. Describe in detail about : 5×2=10

- (a) Gram positive cell wall vs Gram negative cell wall
- (b) Toxin and enzymes produced by staphylococcus aureus.

3. Write briefly about (any three) : 5×3=15

- (a) Candidiasis
- (b) Laboratory diagnosis of Hepatitis B.
- (c) Pathogenesis and laboratory diagnosis of syphilis.
- (d) Classification of Mycobacterium.

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