

B. D. S. II Prof.

5138(AN)

B. D. S. Supply. & Main Examination, Oct. 2015

General Pathology & 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

[Marks : 35

(General Pathology)

1. Define Neoplasia. Differentiate between the benign and malignant neoplasm. 7
2. Define shock. Write the classification of shock. Discuss septic shock in detail. 7
3. Differentiate between : 3×4=12
 - (a) Dry and wet gangrene
 - (b) Fat and air embolism
 - (c) Humoral and cellular immunity
 - (d) Hypoxic and chemical injury.

(2)

4. Write short notes on (any three) : 3×3=9
- (a) Ghon complex
 - (b) Chemotaxis
 - (c) Cloudy swelling
 - (d) Vitamin-D deficiency.

Part-B

[Marks : 35]

(Microbiology)

1. Define the terms – sterilization, disinfection and antisepsis. Name various agents used for sterilization and discuss the role of hot air oven in sterilization. 10
2. What are the various modes of spread of infection ? Describe each in brief giving suitable examples. 10
3. Briefly write on (any three) : 5×3=15
 - (a) Type-II hypersensitivity reaction
 - (b) Mode of HBV transmission
 - (c) Diseases caused by *Streptococcus pneumoniae*
 - (d) Opportunistic intestinal parasites in immuno-compromised patients.

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Roll No.

B.D.S. II Prof.

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B.D.S. Supply & Main Examination

March, 2015

General Pathology and Microbiology

BDS-04(N)

Time : Three Hours / [Maximum Marks : 35+35=70]

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

Part - A

(General Pathology)

1. Define CELL INJURY. Describe different types and discuss HYPOXIC INJURY. $1\frac{1}{2} + 5\frac{1}{2} = 7$
2. Define EMBOLISM. Discuss different types and effects of EMBOLISM. $1\frac{1}{2} + 5\frac{1}{2} = 7$

P.T.O.

3. Differentiate between:

4 × 3 = 12

- (a) Transudate and Exudate
- (b) NECROSIS and APOPTOSIS
- (c) Primary and Secondary TUBERCULOSIS

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

- (a) AMYLOIDOSIS
- (b) FATTY CHANGE
- (c) METASTASIS
- (d) GANGRENE

2. Short notes:

5 × 3 = 15

- (a) Mucocutaneous candidiasis
- (b) ORAL Herpes
- (c) Cariogenic bacteria

3. Discuss briefly:

2½ × 4 = 10

- (a) Principle of autoclave
- (b) Koch's postulates
- (c) Plasmids,
- (d) ELISA.

Part - B

(Microbiology)

1. Describe the Lance field classification of streptococci. Discuss the laboratory diagnosis of streptococcal sore throat. 10

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