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B.D.S. II Prob

Research Centre
Noida
Roll No.

5138(AN)

B.D.S. (Main & Spll.) Examination, Sept. 2013

General Pathology & Microbiology

(BDS-04)

Time : Three Hours]

[Maximum Marks : 70

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

Part-A

(General Pathology)

[Marks : 35

1. Define and classify hypertension. Describe its pathophysiology and effects on various organs. 4
2. Define necrosis. Explain its causes, features and types. 4
3. Differentiate between : $3 \times 4 = 12$
 - (a) Haemolytic and Megaloblastic Anaemia
 - (b) Primary and Secondary Tuberculosis

(2)

(c) Humoral and Cellular Immunity

(d) Hyperplasia and Metaplasia.

4. Write short notes on any three : $5 \times 3 = 15$

(a) Ischaemia

(b) Fallot's tetralogy

(c) Osteosarcoma

(d) Vitamin-A deficiency.

Part-B

(Microbiology)

[Marks : 35]

1. Define sterilisation and disinfection. Describe sterilisation by steam. (using appropriate diagrams). 10

2. Describe the morphology, cultural characteristics, pathogenecity and lab diagnosis of corynebacterium diphtheriae. 10

3. Briefly write short notes on any three : $5 \times 3 = 15$

(a) Bacteriophage-structure and clinical significance

(b) Oral manifestations of systemic mycosis

(c) Vector borne protozoal diseases

(d) Draw the structure of IgG and mention its properties.

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B.D.S. II Prof.

5138 (AN)

B.D.S. Supply & Main Examination,

March-2013

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 necrosis and describe morphological changes in different types of necrosis with suitable examples. $1\frac{1}{2} + 5\frac{1}{2} = 7$

P.T.O.

2. Define Shock. Describe the pathogenesis of septic shock. $1\frac{1}{2} + 5\frac{1}{2} = 7$

3. Differentiate between : $4 \times 3 = 12$

(a) Benign and malignant hypertension

(b) Dystrophic and Metastatic Calcification

(c) Healing by primary and secondary intention

4. Write short notes on (any three) : $3 \times 3 = 9$

(a) Hemophilia

(b) Free radicals

(c) Primary Complex

(d) Reed Sternberg Cell

PART - B

(Microbiology)

1. Classify Streptococcus. Describe in detail pathogenesis and laboratory diagnosis of Streptococcus pyogenes. 10

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2. Define Sterilization and Disinfection. Enumerate the different methods of Sterilization.

Briefly comment on working principle of autoclave. 10

3. Briefly comment on (any three) : $5 \times 3 = 15$

(a) Tissue culture techniques

(b) Dental Caries

(c) Hydatid Cyst

(d) M.O.T

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