REV-01
BPT/10/15

2025/11

BACHELOR OF PHYSIOTHERAPY
THIRD SEMESTER
PATHOLOGY
BPT – 303 [REPEAT]
[USE OMR SHEET FOR OBJECTIVE PART]

SET A

Duration : 3 hrs. **Full Marks : 70**

(Objective)

Time : 30 min. **Marks : 20**

Choose the correct answer from the following: ***1×20=20***

1. Diabetes mellitus is a disorder of metabolism of all of the following except :
   a. Nucleic acid
   b. Carbohydrate
   c. Protein
   d. Fat

2. Myocardial infarction is necrosis of which of the following types :
   a. Fat necrosis
   b. Coagulative
   c. Fibrinoid
   d. Liquefactive

3. Atherosclerosis is :
   a. Narrowing of major veins
   b. Narrowing of urethra
   c. Narrowing of major arteries
   d. Intestinal obstruction

4. The most common congenital heart disease is :
   a. ASD
   b. PDA
   c. Tetralogy of Fallot
   d. VSD

5. The components of tetralogy of Fallot are all of the following except :
   a. Left ventricular hypertrophy
   b. Pulmonary stenosis
   c. Ventricular septal defect (VSD)
   d. Displacement of aorta to right to override the VSD

6. Anaemia is a disease due to reduction of :
   a. Platelets
   b. Haemoglobin
   c. WBC
   d. Prothrombin

7. The main diagnostic tool for Acute Myocardia Infarction is all of the following except
   a. Abnormal ECG
   b. Cardiac enzymes (CK-MB)
   c. Renal colic
   d. Cardiac-specific Troponin I essay

8. Types of Shock are all of te following except :
   a. Hypovolaemic shock
   b. Cardiogenic shock
   c. Septic shock
   d. Emotional shock

9. AIDS is caused by which of the following organisms :
   a. Streptococcus
   b. HIV virus
   c. Mumps virus
   d. Staphylococcus

10. Anitschkow cells are derived from which cells :
    a. Cardiac myocyte
    b. Endocardia smooth muscle cells
    c. Cardiac histiocyte
    d. Endothelial cells of lymphatics

11. Jones diagnostic criteria for Rheumatic fever are all except :
    a. Migratory polyarthritis
    b. Sydenham's chorea
    c. Pancarditis
    d. Polyphagia

12. Which one of the following not a component of Chronic Obstructive Pulmonary Disease (COPD)
    a. Emphysema
    b. Lobar pneumonia
    c. Bronchial asthma
    d. Bronchiectasis

13. Presence of Curschman's spiral & Charcot-Leyden crystal in mucus plugs of patients is indicative of which disease :
    a. Bronchopneumonia
    b. Lobar pneumonia
    c. Bronchial asthma
    d. Chronic bronchitis

14. Malaria is a disease caused by a :
    a. Parasite
    b. Virus
    c. Bacteria
    d. Fungus

15. Osteomyelitis is a disease of :
    a. Skin
    b. Heart
    c. Lungs
    d. Bone and bone marrow

16. Surgical wounds heal by
    a. First intention (Primary union)
    b. Second intention (Secondary Union)
    c. Tertiary union
    d. Non-union

17. Cardinal signs of Inflammation are all of the following except :
    a. Rubor
    b. Pallor
    c. Dolor
    d. Calor

18. Pericarditis is inflammation of the covering of which of the following organ:
    a. Lungs
    b. Brain
    c. Heart
    d. Stomach

19. Gangrene is necrosis of tissue associated superadded _____
    a. Metastasis
    b. Liquefaction
    c. Polymerisation
    d. Putrefaction

20. Infarct of the is initially of what type ?
    a. Coagulative type
    b. Fibrinoid
    c. Fat necrosis
    d. Liquefactive

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Descriptive

Time: 2 hrs 30 min **Marks: 50**

[Answer question no.1 & any four (4) from the rest]

1. **a.** Define Ischaemic Heart Diseases (IHD). **4+6=10**
   b. How will you diagnose Acute Myocardial Infarction (MI)

2. **a.** Define Hypersensitivity Reactions. **2+4+4 =10**
   b. Name its different types.
   c. Give brief description of any one type

3. **a.** Define Shock **2+2+6 =10**
   b. Name different types of Shock.
   c. Describe Septic Shock

4. **a.** Define Jaundice **2+2+6 =10**
   b. What are different types of Jaundice.
   c. Describe laboratory diagnosis of Jaundice.

5. **a.** Define Pneumonia **2+2+6 =10**
   b. Name different types of Pneumonia.
   c. Describe Lobar Pneumonia

6. **a.** What is Rheumatic fever **4+6=10**
   b. Briefly describe the etiopathogenesis of rheumatic Fever

7. Write an essay on Cellular Adaptation using neat diagrams wherever necessary. **2+4+4 =10**

8. Write short notes on ***any two*** of the following : **5+5=10**
   a. Aschoff's nodule
   b. Chemical mediators of Inflammation.
   c. Curschmann's spiral
   d. Jones' Critera of Rheumatic Heart Disease

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