

**B. PHARM.  
SECOND SEMESTER  
PATHOPHYSIOLOGY  
BP204T**

**SET  
B**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration : 3 hrs.

Full Marks : 75

**( PART-A: Objective )**

Time : 30 min.

Marks : 20

Choose the correct answer from the following:

1×20=20

- Which of the following statements about ulcerative and crohn's disease is false?  
a. Peak age of onset of UC & CD is 15-30 years  
b. Second peak occurs between 60-80 years  
c. Appendectomy aggravates UC  
d. IBD runs in families
- Rheumatoid arthritis is a chronic disease of \_\_\_\_  
a. Bone  
b. Joints  
c. Muscle  
d. Multisystem
- Synovial membrane in rheumatoid arthritis is characterized by?  
a. Hyperplasia  
b. Increased vascularity  
c. Infiltrate of inflammatory cells  
d. All of the above
- Cancer is caused by?  
a. Uncontrolled mitosis  
b. Uncontrolled meiosis  
c. Rupturing of cell  
d. Loss of immunity of the cells
- Cancer of beta lymphocytes is called?  
a. Sarcoma  
b. Melanoma  
c. Myeloma  
d. Carcinoma
- Which of the following is false about salmonella?  
a. Gram negative  
b. Non-spore forming  
c. Facultatively anaerobic bacilli  
d. None of the above
- Hosts for salmonella include?  
a. Humans  
b. Monkey  
c. Dogs  
d. All of the above
- The highest incidents of gonorrhoea happen in which age group?  
a. 9-15 years  
b. 15-35 years  
c. 30-45 years  
d. 15-24 years
- Primary lesion of syphilis appear how many weeks after infection?  
a. 2-6 weeks  
b. 6-12 weeks  
c. 12-24 weeks  
d. 24-60 weeks

10. Dolar means.....?  
a. Redness  
c. Swelling  
✓ b. Pain  
✓ d. Tumor
11. Necrosis is?  
a. Reversible  
✓ c. Not reversible  
b. Lack of oxygen to the tissue  
d. Blebbing of the periphery
12. Asthma is a disease of?  
a. Large airway  
✓ c. Terminal bronchiole  
✓ b. Medium airway  
d. Respiratory bronchiole
13. According to JNC-7, stage 2 hypertension is?  
a. 120/80 mm Hg  
✓ c. 160/100 mm Hg  
b. 140-159/90-99 mm Hg  
d. 180/110 mm Hg
14. Which of the following is a classic sign of heart failure?  
a. Dyspnoea  
c. Fatigue  
b. Ankle swelling  
✓ d. JVP elevation
15. In kidneys, most of the blood supply is directed to?  
✓ a. Renal cortex  
c. Medullary rays  
b. Outer medulla  
d. None of the above
16. What is the normal range for the hematocrit level in adult females?  
a. 45-55%  
c. 50-6-%  
✓ b. 35-45%  
d. 40-50%
17. Type of diabetes mellitus resulting from autoimmune beta cell destruction is?  
✓ a. Type IA  
c. Type II  
b. Type IB  
d. All of the above
18. Which of the following is false about epilepsy?  
a. Single seizure  
c. Avoidable circumstance  
b. Acute  
✓ d. All of the above
19. Which of these medications could be responsible for depression mood?  
a. Aspirin  
c. Salbutamol  
b. Bisoprolol  
✓ d. Simvastatin
20. Gastric acid production is inhibited by?  
a. Prostaglandins  
c. EGF  
b. Somatostatin  
✓ d. All of the above

**( PART-B :Descriptive )**

Time : 2 hrs. 30 min.

Marks : 35

*[ Answer any seven (7) questions ]*

1. Define cell injury. Write a note on pathogenesis and mechanism of cell injury? 5
2. Explain in details vascular events in acute inflammation? 5
3. What are the trigger factors of asthma? Explain in details different types of asthma? 5
4. What are sign and symptoms of acute renal system? Explain in details different phase of acute renal system? 5
5. Define anemia and explain different types of anemia? 5
6. Define and classify diabetes mellitus. Write a note pathophysiology of type-II diabetes mellitus? 5
7. Define and classify peptic ulcer. Write the differences between gastric ulcer and duodenal ulcer? 1+2+2=5
8. Define hepatitis and explain in details types of hepatitis? 5
9. Define and classify cancer. Write a note pathogenesis of cancer? 5

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**PART-C: Long type questions**

*[ Answer any two (2) questions ]*

- ✓ 1. Define and classify epilepsy. Write a note on pathophysiology and management of epilepsy? 10
2. Define congestive heart failure. Write a note on pathophysiology of CHF, ANGINA and MI? 10
- ✓ 3. Write a causative agent of meningitis & leprosy. Write a note on pathophysiology and management of typhoid? 10

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