

[Total No. of Questions - 14] [Total No. of Printed Pages - 2]
(2066)

16373(J) J-16

B. Pharmacy 4th Semester Examination

Pathophysiology (NS)

BP-245

Time : 3 Hours

Max. Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt any two questions from Section-A, eight questions from Section-B. Section-C is compulsory, attempt all questions.

SECTION - A

1. Enlist the agents of cell injury. Discuss cellular mechanisms and morphology of cell injury. (10)
2. What are inflammatory cells and mediators? Discuss basic mechanisms involved in the process of repair. (10)
3. Define the term 'isolated hypertension' and explain the pathophysiology of hypertension. (10)

SECTION - B

4. Discuss the role of inflammation in normal repair and healing. (5)
5. What do you understand by neurodegenerative diseases? Explain it. (5)
6. Discuss the pathophysiology of peptic ulcer. (5)
7. Explain the aetiology of psychiatric disorder. (5)

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2

16373

8. Describe the signs and symptoms of type-I and type-II diabetes mellitus. (5)
9. Explain the signs, types and testing of STD. (5)
10. Write a note on neurotransmitters involved in pathophysiology of epilepsy. (5)
11. Discuss in detail about pathophysiology of asthma. (5)
12. What do you mean by oliguria & anuria? Explain the causes of acute renal failure. (5)
13. Discuss the pathophysiology of inflammatory joint disease. (5)

SECTION - C

14. Write short notes on—
 - (a) Atrophy and hypertrophy. (2)
 - (b) Angina pectoris. (2)
 - (c) Hepatitis B. (2)
 - (d) Benign and malignant tumor. (2)
 - (e) *Mycobacterium tuberculosis* and TB. (2)