



M-1612040701030400 Seat No. _____

M. P. M. (Sem. III) (CBCS) Examination
May/June – 2018
Pathophysiology

Time : 3 Hours]

[Total Marks : 80

Instructions :

1. Answer and tie up both the sections separately.
2. Figure to the right indicates full marks.
3. Answer the three (03) questions from each section.
4. Question one (1) and question five (05) are compulsory.
5. Draw neat and clean diagram as required.

SECTION-I

- 1 Answer the following questions (ANY SEVEN) **2×7=14**
- (1) Define: Pathophysiology
 - (2) Enumerate causes of cell injury.
 - (3) Enlist the chemical mediators of inflammation.
 - (4) Classify hypersensitivity reactions.
 - (5) Define: Amyloidosis
 - (6) Explain the following terms:
 - (a) Necrosis
 - (b) Apoptosis
 - (7) Enlist the growth factors which involve in tissue repair process.
 - (8) Define: Systemic sclerosis
 - (9) Define: Polyarteritis nodosa
 - (10) Explain drug-induced hypersensitivity syndrome.
- 2 Answer the following questions : **13**
- A Write a short note on cell injury and adaptation. **7**
- B Describe in detail about pathophysiology of tissue repair mechanism. **6**

- 3** Answer the following questions : **13**
A Differentiate: Necrosis and apoptosis. **7**
B Write a detail note on pathophysiology of acute and chronic inflammation. **6**
- 4** Answer the following questions : **13**
A. Explain in brief about wound healing process in skin. **7**
B Write a short note on cell and tissue regeneration process. **6**

SECTION-II

- 5** Answer any TWO questions from the following : **2×7 =14**
A. Explain in brief about systemic lupus erythematosus.
B. Write a short note on pathophysiology of starvation.
C. Describe in detail about mechanism of autoimmunity.
- 6** Answer the following questions : **13**
A. Explain in brief about transplantation and mechanism of allograft rejection. **7**
B. Describe in detail about pathophysiology of type IV hypersensitivity reaction. **6**
- 7** Answer the following questions : **13**
A. Write a detailed short note on rheumatoid arthritis. **7**
B. Explain in brief about pathophysiology of obesity. **6**
- 8** Answer the following questions as directed : **13**
A. Describe in detail about biological effects of radiation. **7**
B. Write the pathophysiology of AIDS. **6**