



JBO-1612040701030400 Seat No. _____

M. P. M. (Sem. III) Examination

January - 2020

Pathophysiology

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Attempt three questions from each section.
(2) Question 1 and 5 are compulsory.
(3) Tie each section separately.
(4) Figures to the right indicate full marks for the respective question.

SECTION - I

- 1** Answer the following questions : (any seven) **14**
- (1) Define the term Cellular Adaptation.
 - (2) What is hypertrophy ? Give example of hypertrophy.
 - (3) What is inflammation? Enlist types of inflammation.
 - (4) What do you mean by Regeneration?
 - (5) What is angiogenesis?
 - (6) Give full name of AIDS.
 - (7) Which organ are affected by Amyloid ?
 - (8) What is environmental disease. Explain with examples.
 - (9) Classify sources of air pollutant sources.
 - (10) Give examples of Fat soluble vitamins and its sources.
- 2** Answer the following :
- (1) What is cell injury? Describe about etiology of cell injury and pathogenesis of cell injury. **7**
 - (2) Write a note on Hypersensitivity reactions. **6**
- 3** Answer the following :
- (1) Write a note on chemical mediators of inflammation. **7**
 - (2) Differentiate cell Apoptosis and cell Necrosis. **6**

- 4 Answer the following :
- (1) Write about general features and types chronic inflammation. 7
 - (2) Write pathogenesis of amyloids. Discuss the effect of amyloidosis in spleen, kidney and liver. 6

SECTION - II

- 5 Answer the following : (any two) 14
- (1) What is air pollution? Give composition of air, describe about source and classify air pollutant.
 - (2) What is starvation? Describe pathogenesis of malnutrition disease.
 - (3) What is Immunological tolerance? Discuss about mechanism of autoimmunity.
- 6 Answer the following :
- (1) What is allograft rejection? Discuss about mechanism of allograft rejection. 7
 - (2) Discuss about etiology and pathophysiology of Systemic Lupus erythematosus. 6
- 7 Answer the following:
- (1) Discuss pathogenesis of Rheumatoid arthritis. 7
 - (2) Write etiology, causes, risk factors and diagnosis of Inflammatory myopathies. 6
- 8 Answer the following :
- (1) What is pathological role of biological radiation and discuss about diagnosis of radiation effect. 7
 - (2) What is autoimmune disease? Discuss pathogenesis of scleroderma. 6