



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**