A–9001

Sub. Code
5BMCA4

U.G. DEGREE EXAMINATION, NOVEMBER 2019

Microbiology and Clinical Lab Technology

Allied — HUMAN PATHOLOGY

(CBCS – 2015 onwards)

Time : 3 Hours Maximum : 60 Marks

Part A (10 × 1½ = 15)

Answer **all** questions.

1. Pathogenesis

2. Inflammation

3. Hypertrophy

4. Cell injury

5. Defects in Chemotaxis

6. Acute phase reactants

7. Collagen

8. Growth factors

9. Cardiac edema

10. Thrombogenesis

Part B (5 × 3 = 15)

Answer **all** questions, choosing either (a) or (b).

11. (a) Comment on the mode of entry and pathogenesis of any bacterial infection.

Or

(b) Write briefly about the morphological changes of body cell in fungal diseases.

12. (a) Describe the events of cell dying.

Or

(b) Give some examples of connective tissue and tumour metaplasia.

13. (a) What are the differences between acute and chronic inflammation?

Or

(b) Write briefly about the histopathological assessment of granuloma.

14. (a) Explain the role of Myofibroblast in health and disease.

Or

(b) Write short notes on complications of cutaneous wound healing

15. (a) Define embolus. What are the different types of emboli?

Or

(b) Define shock. What are the causes of septic shock?

Part C (3 × 10 = 30)

Answer any **three** questions.

16. Describe the life cycle and pathogenesis of parasitic infection in human.

17. Mention the causes of cellular injury. Describe in detail the sequence of events in ischemic and hypoxic injury to cells.

18. Discuss in detail the various mechanism involved in cell repair.

19. Describe in detail the chemokines and their role in inflammation.

20. Write about the formation of oedema occurs in cirrhosis of liver.

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