

S.No. 3538

P 16 BC 32

(For candidates admitted from 2016–2017 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2021.

Biochemistry

CLINICAL BIOCHEMISTRY

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20)

Answer ALL questions.

1. What is Gauchers disease?
2. What is glycosuria?
3. What is hartnup disease?
4. What is orotic aciduria?
5. What is the difference between peptic ulcer and gastritis?
6. What is the normal serum AST and ALT level?
7. What causes elevated amylase?
8. Write the clinical significance of CK.
9. What kind of tumors produce hCG?
10. What are proto oncogenes?

SECTION B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

11. (a) What are the causes of atherosclerosis and how do you prevent it?

Or

- (b) Write about lipoproteinaemias.

12. (a) Write short notes on cystinuria and cystinosis ?

Or

- (b) Write the symptom, causes and treatment of gout.
13. (a) Write the causes and biochemical findings in cirrhosis.
Or
- (b) Write a note on insulin stimulation test.
14. (a) Discuss the clinical significance of phosphatases.
Or
- (b) Write a note on nephrolithiasis.
15. (a) Differentiate benign and malignant tumors.
Or
- (b) Write a note on tumor suppressor genes.

SECTION C — (3 × 10 = 30)

Answer any THREE questions.

16. How is diabetes mellitus classified? Add a note on its metabolic abnormalities.
17. Elaborate on the disorders of pyrimidine metabolism.
18. Discuss liver function test.
19. Elaborate on isoenzymes in health and diseases.
20. Explain multistage carcinogenesis.
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