

S.No. 5532

16 SACAZ 2

(For candidates admitted from 2016–2017 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Part III — Allied

HUMAN PHYSIOLOGY

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20)

Answer ALL the questions.

1. Polycythemia
2. Blood pressure
3. Renin
4. Bile
5. Alveoli
6. Micturition
7. Grave's disease
8. Vagina
9. Axon
10. Ear ossicles.

SECTION B — (5 × 5 = 25)

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

11. (a) Give an account on erythropiosis.

Or

- (b) Explain the different phases of cardiac cycle.

12. (a) Examine the role of liver in digestion.

Or

- (b) Illustrate the structure and functions of intestinal villi.

13. (a) Describe the structure of lung with a labeled sketch.

Or

- (b) Elucidate the anatomy of human skin.

14. (a) Write an account on the hormones of pancreatic islets.

Or

- (b) Enlist the maternal body changes during pregnancy.

15. (a) Explain the structure of neuron with diagram.

Or

- (b) Scrutinise the different types of olfactory receptors.

SECTION C — (3 × 10 = 30)

Answer any THREE questions.

16. Write a detailed account on the biochemistry of blood clotting.

17. Describe the mechanism of digestion that occurs in intestine.

18. "Mechanism of urine formation is complex process" — Justify.

19. Discuss the structure and endocrine functions of adrenal gland.

20. Emphasise the structure and physiology of photoreceptors.