



**Part B**  
**Answer ALL questions**  
**Each answer should not exceed 400 words or two pages**

**5 x 6 = 30**

- 11.a. Explain about homeostasis.  
(or)  
11.b. Write a note on blood grouping and Rh factor.
- 12.a. Draw a labelled structure of heart and explain about cardiac cycle.  
(or)  
12.b. Brief on the gaseous exchange between lung and tissue.
- 13.a. Draw a labelled structure of stomach and add a note on its functions.  
(or)  
13.b. Describe the digestion and absorption of protein.
- 14.a. Write short note on adrenal gland.  
(or)  
14.b. Draw a labelled sketch of thyroid gland and explain its functions and mal functions.
- 15.a. Explain about the physiology of menstruation.  
(or)  
15.b. Write a note on placenta and memory gland.

**Part C**  
**Answer ALL questions**  
**Each answer should not exceed 800 words or four pages**

**5 x 12 = 60**

- 16.a. Explain in detail on erythropoiesis.  
(or)  
16.b. What is blood transfusion? Explain.
- 17.a. Explain in detail on the mechanism of respiration.  
(or)  
17.b. Discuss on the types of tissues and their functions.
- 18.a. Give the structure and functions of liver and pancreas.  
(or)  
18.b. Write in detail on the mechanism of urine formation and micturation.
- 19.a. What are hormones? Explain in detail on the role of hormones in human health.  
(or)  
19.b. Write a note on hypo and hyperthyroidism.
- 20.a. Explain about female reproductive organ with a labeled sketch.  
(or)  
20.b. Discuss on the physiological changes taking place in pregnancy.

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