

## NOVEMBER - 2001

3. (a) Define reflex action. Draw a labelled diagram of a simple reflex arc. How are reflexes classified clinically? Give an example for each type.  $(1 + 2\frac{1}{2} + 5\frac{1}{2})$

(b) Mention four functions of hypothalamus and explain any one.  $(4 + 2)$

4. (a) Describe briefly the anatomy of the heart and indicate the direction of circulation of blood through the heart.  $(4 + 2)$

(b) Define cardiac cycle giving its normal duration. List the events of cardiac cycle and describe any one of them.  $(2 + 2\frac{1}{2} + 4\frac{1}{2})$

### SECTION B --- $(6 \times 5 = 30 \text{ marks})$

Answer any SIX questions.

All questions carry equal marks.

5. Write a brief note on regulation of arterial blood pressure.  $(5)$

6. List the anterior pituitary hormones and mention the actions of any one of them.  $(2\frac{1}{2} + 2\frac{1}{2})$

7. Define health. Add a note on indicators of health.  $(1 + 4)$

8. Classify the joints giving an example for each type.  $(1\frac{1}{2} + 1\frac{1}{2} + 2)$

9. Mention the different female contraceptive methods. Give the mode of action, merits and demerits of any one of them.  $(2\frac{1}{2} + 2\frac{1}{2})$

10. Describe briefly the mechanism of respiration.  $(5)$

11. Give the structure and functions of the skin.  $(2 + 3)$

12. Write a note refractive errors of the eye.  $(5)$

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