

SE | Sem III | Choice Based | Biomed | Basic of Human Physiology
Basics of Human Physiology

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Q. P. Code: 25255

N.B.:

Time: 3 hours

Marks: 80

- (1) Question number 1 is compulsory.
- (2) Attempt any three questions from the remaining five questions.
- (3) Figures to the right indicate full marks.
- (4) Draw suitable graphs/diagrams wherever necessary.

Q.1 Solve any four questions out of five questions.

- a. Explain the steps of coagulation of the blood. [05]
- b. Explain spermatogenesis. [05]
- c. Explain the structure of neuron. [05]
- d. Differentiate the systemic and pulmonary circulation of the blood. [05]
- e. State the accessory organs of the digestive system and their functions. [05]

- Q2. a. Explain the steps in the formation of the urine. [10]
- Q2. b. Explain the structure and functions of the small intestine. [10]

- Q3.a List all endocrine glands, their hormones and the functions of those hormones. [10]
- Q3.b. Explain the physiology of hearing. [10]

Q.4 a Explain the different organs in the female reproductive system and state their functions. [10]

Q4.b. Explain the exchange of gases taking place in the alveoli. [10]

Q.5 a. Explain the conduction system of the heart. [10]

Q5.b. What is homeostasis? Explain the positive and negative feedback mechanism. [10]

Q.6. Write short notes on **any four** of the following: [20]

- a. Reflex Arc
- b. Structure of eye
- c. Functions of stomach
- d. Blood Pressure
- e. Functions of CSF (Cerebro Spinal Fluid)
