

Q.P. Code : 20830

[Time: 03 Hours]

[Marks:80]

Please check whether you have got the right question paper.

- N.B:
1. Question.No.1 is compulsory.
 2. Attempt any three questions out of remaining five questions.
 3. Figures to the right indicate full marks.
 4. Answer to questions should be grouped together.

- Q.1. Attempt any four 20**
1. Explain the composition of blood.
 2. Differentiate between axons and dendrites.
 3. Explain the steps of coagulation of blood.
 4. Explain the ABO blood grouping System.
 5. Explain the digestive glands in the mouth.
- Q.2. A) Draw a neat labelled diagram of human cell and explain the functions of any four cell organelles. 10**
B) Classify epithelial tissue and state their function. 10
- Q.3. A) Explain the structure of nephron in detail with a neat diagram. 10**
B) Explain the steps of urine formation. 10
- Q.4. A) Explain the lobes of cerebrum. Also state the functions of different lobes. 10**
B) Explain the structure of a neuron with a neat diagram. State its functions as well. 10
- Q.5. A) Explain the structure of ear with a neat diagram. 10**
B) Explain the lung volumes and capacities. 10
- Q.6. Attempt any four 20**
1. Draw a neat labelled diagram of a typical nerve action potential and explain in brief.
 2. Structure and any two functions of stomach.
 3. Ovulation
 4. Hormones associated with reproductive system.
 5. Explain Structure of skin with neat diagram
