

DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO. QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MALPRACTICE ANSWER THE QUESTIONS SERIALY AND CONTINUOUSLY

Subject: HUMAN ANATOMY & PHYSIOLOGY (Theory)

Full Mark -80

Time -3 hrs

1. **Answer any six out of seven** (6 x 5)

- Draw a neat labelled diagram of male reproductive system. Write a short note on composition of semen.
- Define endocrine gland. Briefly discuss about the hormone secreted from the pituitary gland.
- Draw a neat & labelled diagram of urinary system and describe briefly about the formation of urine.
- Define digestion. Describe different parts of digestive system with their function.
- Write down different constituents of blood .Discuss about the function of WBC.
- Draw a neat labelled diagram of skin and it's functions.
- Classify nervous system. Briefly discuss about different parts of brain.

2. **Answer any ten out of eleven** (10x3)

- Write a note on Mitosis.
- Draw a neat labelled diagram of Cell.
- Write a short note on physiology of smell.
- Write a note on RBC.
- Write a note on Blood Pressure.
- Discuss about Muscular Tissue
- Discuss about different parts of tongue.
- Differentiate between sympathetic and parasympathetic nervous system.
- Differentiate between smooth and skeletal muscle.
- Write down functions of antidiuretic hormone (ADH).
- Describe role of different hormone(s) in pregnancy.

3. **Briefly write down the function of the followings in one or two sentence:**

ANSWER ALL

(20x1)

- | | | |
|---------------------|----------------------|-------------------|
| a) Ptyalin | b) Lysosome | c) Apocrine gland |
| d) Renin | e) Pharynx | f) Acrosome |
| g) FSH | h) Oxytocin | i) Tendons |
| j) Platelets | k) Tympanic membrane | l) Centrosome |
| m) Golgi bodies | n) Calcitonin | o) Thromboplastin |
| p) ESR | q) Thymus gland | r) ECG |
| s) Sino-atrial node | t) Pepsin | |
