



2502278204

Seat No.: \_\_\_\_\_

**PROGRAMME OF THE B.H.M.S -EXAMINATION- MARCH- 2025****The First Year (CBDC)****Academic Year 2023-25****Subject Code: HOMUG-PB****Subject Name: Physiology and Biochemistry - II****Duration: 3:00 Hrs****Total Marks: 100****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

**Q.1 MCQ/Fill in the blanks (Attempt All Questions)**

10

- 1) Growth Hormone secreted by
  - a) Pineal gland
  - b) Pituitary gland
  - c) Hypothalamus
  - d) Adrenal gland
- 2) Total how many pairs of spinal nerves are there?
  - a) 32
  - b) 31
  - c) 21
  - d) 22
- 3) Which of the following is not primary digestive organ?
  - a) Salivary gland
  - b) Small Intestine
  - c) Stomach
  - d) Large Intestine
- 4) Mullerian duct is responsible for development of
  - a) Male reproductive system
  - b) Female reproductive system
  - c) A & B both
  - d) None of above
- 5) Which gland produce the majority of the fluid in semen?
  - a) Seminal vesicles
  - b) Prostate gland
  - c) Bulbo-urethral gland
  - d) Testes
- 6) Which of the following is not Auditory Ossicles?
  - a) Malleus
  - b) Tympanus
  - c) Incus
  - d) Stapes
- 7) Which chart is used to diagnose near vision acuity
  - a) Snellens chart
  - b) Ishihara chart
  - c) Jaegers chart
  - d) A & B both
- 8) Which of the following are homopolysaccharides?
  - a) Starch
  - b) Glycogen
  - c) Dextrins
  - d) All of the above



- 9) Which of the following is water soluble vitamins?  
a) Vitamin. A  
b) Vitamin K  
c) Folic Acid  
d) Linolanic Acid
- 10) Glutamine is a.....  
a) Monosaccharide  
b) Polysaccharide  
c) Disaccharide  
d) None of all.

40

**Q.2 Short Questions. (Attempt All Questions)**

- 1) Hormone of the Posterior Pituitary Gland.
- 2) Gigantism
- 3) Reflex arc
- 4) CSF
- 5) Function of Gastric Juice
- 6) Menopause
- 7) Roads & Cons
- 8) Vitamin A

**Q.3 Long Questions. (Attempt All Questions)**

50

- 1) Describe Synthesis and Function of the Thyroid Hormone.
- 2) Describe Pyramidal tract in detail.
- 3) Give an account of composition, formation, and function of Pancreatic Juice.
- 4) Define Menstrual cycle. Describe Ovarian changes occurring during Menstrual Cycle.
- 5) Describe in detail Olfactory pathway in detail.

=====All The Best=====