



**DMLT/DMRT EXAMINATION BOARD, ODISHA**  
**FIRST D.M.L.T. Annual Exam Of 2021**

**QUESTIONS (PAPER-I)**

Time: 3 Hours

FULL MARKS: 70

**Answer all questions**  
**(USE SEPARATE ANSWER BOOK FOR PART-A & PART-B)**  
**PART-A (ANATOMY - 35 MARKS)**

1. Answer( any five ) (5 x 5 = 25 marks)
  - a. Draw a labelled diagram of the neuron
  - b. Draw a labelled diagram of the heart
  - c. Write briefly on transitional epithelium
  - d. Write briefly on sesamoid bones with examples
  - e. Write briefly on the pancreas
  - f. Write briefly on the ovary.
  
2. Fill in the blanks (1 x 10 = 10 marks)
  - a. The long bones of upper limb are humerus, radius and \_\_\_\_\_
  - b. Rods and cones are seen in \_\_\_\_\_
  - c. 7th cranial nerve is called as \_\_\_\_\_
  - d. Study of bones is called as \_\_\_\_\_
  - e. Lining epithelium of Oesophagus is \_\_\_\_\_
  - f. largest tarsal bone is called as \_\_\_\_\_
  - g. The arteries arising from arch of aorta are brachiocephalic trunk, left common carotid and \_\_\_\_\_
  - h. The number of cervical vertebra in human is \_\_\_\_\_
  - i. The number of spinal nerves in human is \_\_\_\_\_
  - j. Peroneus longus is a muscle of \_\_\_\_\_ compartment of leg.

**PART-B (PHYSIOLOGY - 35 MARKS)**

1. **Write short notes on( any three)** (5 x 3 = 15 marks)

- a. Erythrocyte Sedimentation Rate
- b. Aldosterone
- c. Heart Sounds
- d. Oral Contraceptives

2. **Write True ( T ) or False ( F )** (2 x 5 = 10 marks)

- a. Hydrochloric acid is secreted from oxyntic cells.
- b. Pituitary dwarfs are mentally retarded.
- c. CO<sub>2</sub> is transported in blood mainly in bicarbonate form.
- d. Before Blood transfusion, major cross matching is done between Donor's serum and Recipient's RBCs.
- e. Jaundice occurs when serum bilirubin level exceeds 2mg / dl.

3. **Fill in the blanks** ( 2 x 5 = 10 marks)

- a. Plasma protein mostly responsible for maintenance of Osmotic pressure is \_\_\_\_\_.
- b. Normal core body temperature in a healthy person is \_\_\_\_\_°C to \_\_\_\_\_°C.
- c. Hemophilia occurs due to deficiency of \_\_\_\_\_ factor.
- d. -----is a natural anticoagulant..
- e. Erythropoietin hormone is secreted by \_\_\_\_\_ organ of the human body.

\*\*\*\*\*