

DMLT/DMRT EXAMINATION BOARD, ODISHA

FIRST DMLT ANNUAL EXAMINATION-2020

QUESTIONS (PAPER-I)

(FULL MARK:70

TIME: 3hrs

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

PART-A (ANATOMY-35 MARKS)

1) Answer any four (5 x 4 = 20 marks)

a) Write briefly about the human cell on the following

- i) Mitochondria ii) Endoplasmic reticulum

b) Write briefly about the stomach on the following points

- i) Parts ii) Capacity iii) Blood supply

c) Write briefly about the uterus on the following points

- i) Parts ii) Blood supply iii) 2 main supports

d) Write briefly about the knee joint on the following points

- i) Bones forming it ii) Movements of the joint iii) muscles involved

e) Write briefly about the thyroid gland on the following points

- i) Parts ii) Blood supply iii) 2 hormones released from it

2) Fill in the blanks (1x 10 = 10 marks)

a) There are _____ number of vertebrae in the human body.

b) There are _____ number of spinal segments in the spinal cord.

c) The bone present in thigh is called as _____

d) The bone present in arm is called as _____

e) The sacrum is formed by 5 _____ vertebrae.

f) Scaphoid is a _____ bone of hand.

g) Rods and cones are present in _____

h) Genioglossus is a muscle of _____

i) 4th cranial nerve is called as _____

j) The largest paranasal air sinus is called as _____

3) Answer the following

(1 x 5 = 5 marks)

- a) Name any 2 skull bones
- b) Name any 2 dural venous sinuses
- c) Name any 2 salivary glands
- d) Name any 2 branches of external carotid artery.
- e) Name any 2 muscles of mastication

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

1. Write short notes on any three

(5 x 3 = 15 Marks)

- a) Functions of saliva
- b) Anticoagulants
- c) Functions of CSF
- d) Spermatogenesis

2. Mention True (T) or False (F)

(3 x 5 = 15 Marks)

- a) LH Surge occurs after ovulation.
- b) Arterial CO₂ level is 40 mm Hg.
- c) Erythropoietin promotes platelet formation.
- d) Posterior Pituitary secretes ADH.
- e) Average daily secretion of sweat is 1L.

3. Fill in the blanks

(2x5 = 10 Marks)

- a) Life Span of neutrophil in Circulation is _____ hrs.
- b) Normal pH of extracellular fluid is _____.
- c) Pace- Maker of heart is _____.
- d) Bile pigments present in bile juice are _____ & _____.
- e) Cardiac Index is _____ liter.