

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 1124]

NOVEMBER 2024

Sub. Code: 1605

(SUPPLEMENTARY SESSION EXAMINATION)

FIRST PROFESSIONAL B.H.M.S. DEGREE EXAMINATION

(For the candidates admitted from the academic year 2022-2023 onwards)

PAPER V – (HomUG-PB) HUMAN PHYSIOLOGY AND BIOCHEMISTRY – II

Q.P. Code: 581605

Time: 15 Minutes

Answer ALL questions

Maximum: 10 Marks

Choose one correct answer in the box provided in the Answer Script. No overwriting should be done. Choice should be given in Capital Letters.

I. Multiple Choice Questions:

(10 x 1 = 10)

1. Tetany features include all of the following except -----.
A) Neuromuscular hyperexcitability B) Carpopedal spasm
C) Trousseau's sign D) Clotting defects
2. Development of myelin sheath in peripheral nervous system depends on -----.
A) Oligodendrocytes B) Astrocytes C) Schwann cell D) Microglia
3. Bicarbonate rich secretion is by -----
A) Cholecystokinin B) Secretin C) Pancreozymin D) Gastrin
4. The organelle that helps the sperm to penetrate the ovum -----
A) Acrosome B) Zona pellucida C) Megalis D) Flagella
5. Name the hormone which is at its peak during ovulation?
A) FSH B) Oestrogen C) Progesterone D) LH
6. Best test for detecting defects of colour vision is -----
A) Yarn matching test B) Ishihara charts
C) Snellen's chart D) Edridge green lantern
7. Largest number of taste buds in adults are associated with -----
A) Filiform papillae B) Fungiform papillae
C) Circumvallate papillae D) Pharynx
8. Which lipoprotein has protective effect against atherosclerosis?
A) VLDL B) LDL C) HDL D) None of the above
9. Which of the following cell type is entirely dependent on glycolysis for ATP production?
A) Erythrocyte B) Brain C) Heart D) Skeleton muscle

10. Deficiency of niacin leads to clinical condition called -----

A) Beriberi

B) Pellagra

C) Xerophthalmia

D) Ricket

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0325]

MARCH 2025

Sub. Code: 1605

FIRST PROFESSIONAL B.H.M.S. DEGREE EXAMINATION

(Candidates admitted for the academic year 2023-2024 batch)

(New Regulation - 2022-2023)

PAPER V – (HomUG-PB) HUMAN PHYSIOLOGY AND BIOCHEMISTRY - II

Q.P. Code: 581605

Time: 15 Minutes

Answer ALL questions

Maximum: 10 Marks

Choose one correct answer in the box provided in the Answer Script. No overwriting should be done. Choice should be given in Capital Letters.

I. Multiple Choice Questions:

(10 x 1 = 10)

1. Life saving hormone is
A) Cortisol
B) Aldosterone
C) Thyroxine
D) Adrenaline
2. Clonus occurs in _____
A) Upper motor neuron lesion
B) Multiple sclerosis
C) Cerebral palsy
D) All of the above
3. Pepsinogen is secreted by _____
A) Oxyntic cells
B) D cells
C) H cells
D) Chief cells
4. Pregnancy test is to determine presence of _____
A) HCG in urine
B) Estrogen in urine
C) Somatomammotropin in urine
D) Progesterone in urine
5. Hyposecretion of estrogen is caused by _____
A) Obesity
B) Stress
C) Excess alcohol consumption
D) Premature ovarian failure
6. Fundus oculi is examined by _____
A) Perimeter
B) Tonometer
C) Snellen's chart
D) Ophthalmoscope
7. Other name for the optic papilla _____
A) Macula Lutea
B) Fovea Centralis
C) Optic Disk
D) Ora Serrata
8. Major lipid in chylomicrons is _____
A) Triglycerides
B) Phospholipids
C) Cholesterol
D) Free fatty acids

9. Which of the following has the highest cholesterol content _____
A) Milk B) Meat C) Butter D) Fish

10. Calcitriol synthesis involves _____
A) Both liver and kidney B) Adipose tissue
C) Intestine D) Muscle

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0725]

JULY 2025

Sub. Code: 1605

(SUPPLEMENTARY EXAMINATION)

FIRST PROFESSIONAL B.H.M.S. DEGREE EXAMINATION

(New Regulation –From 2022-2023 Batch onwards)

PAPER V – (HomUG-PB) HUMAN PHYSIOLOGY AND BIOCHEMISTRY – II

Q.P. Code: 581605

Time: 15 Minutes

Answer ALL questions

Maximum: 10 Marks

Choose one correct answer in the box provided in the Answer Script. No overwriting should be done. Choice should be given in Capital Letters.

I. Multiple Choice Questions:

(10 x 1 = 10)

1. All of the following hormones mediate their major effects without actually entering the target cell except:
A) Mineralocorticoids B) Insulin
C) Growth Hormone D) Glucagon
2. The EEG rhythm having lowest frequency is -----.
A) Alpha B) Beta C) Delta D) Theta
3. The most important stimulus for secretion of secretin is -----.
A) Vagal stimulation
B) Mechanical duodenal distension
C) Acidic chyme reaching duodenum
D) Fat reaching the duodenum
4. The hormone responsible for increased body temperature after ovulation is -----
A) Luteinizing hormone B) Androgens
C) Progesterone D) Increased estrogen
5. Peak secretion of oestrogen occurs -----.
A) Just before ovulation
B) Mid Luteal phase
C) At the time of ovulation
D) Secreted at the same rate at all phases
6. The only sensation that does not pass through thalamus -----
A) Vision B) Hearing C) Taste D) Smell
7. Ear is most sensitive to frequency of -----.
A) 300-500 Hz B) 2000-5000 Hz
C) 10000-20000 Hz D) 20Hz - 20,000 Hz

P.T.O.

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