

CBME**DR. YSR UNIVERSITY OF HEALTH SCIENCES: AP: VIJAYAWADA-520 008****MBBS DEGREE EXAMINATION – APRIL, 2023****FIRST M.B.B.S. EXAMINATION****PHYSIOLOGY – PAPER-II (SET-D)****(Multiple Choice Questions)****Time: 20 Minutes****Max Marks: 20****Note: Answer all questions**

SECTION – I (MCQs- 20 MARKS)**1x20=20**

- 1) Multi unit smooth muscle is found in
 - a. Heart
 - b. GI tract
 - c. Large blood vessel
 - d. Urinary bladder
- 2) Addison's disease is due to
 - a. Hyper-adrenalism
 - b. Hypo-adrenalism
 - c. Increased secretion of melanin
 - d. Increased Adrenal Androgens
- 3) The transport of proteins and polypeptides synthesized in soma of nerve cell to the axonal ending is called as
 - a. Retrograde transport

- b. Axoplasmic flow
- c. Transcytosis
- d. Exocytosis

4) Which of the following muscle cannot be tetanized

- a. Skeletal muscle
- b. Smooth muscle
- c. Cardiac muscle
- d. All the above

5) Which of the following hormones acts on its target tissues by a steroid hormone mechanism of action

- a. Thyroid hormone
- b. Parathyroid hormone (PTH)
- c. Antidiuretic hormone (ADH) on the collecting duct
- d. Glucagon

6) Inhibin inhibits

- a. FSH
- b. TSH
- c. ACTH
- d. TRH

7) Factors that stimulate growth hormone is

- a. Increased blood glucose
- b. Exogenous growth hormone
- c. Somatomedin

d. Testosterone

8) The growth hormone receptor

- a. Must be internalized to exert its effect
- b. Requires dimerization to exert its effect
- c. Resembles IGF-I receptor
- d. Resembles ACTH receptor

9) Regression of tissues as in uterine regression after pregnancy is a function of

- a. Nucleus
- b. Lysosomes
- c. Secretory vesicles
- d. Peroxisomes

10) The intrafusal fibers of muscle spindle is supplied by

- a. Alpha motor neuron
- b. Dorsal root Neuron
- c. Gamma motor neuron
- d. Renshaw cell

11) Blood testis barrier is formed by

- a. Leydig cell
- b. Sertoli cells
- c. Epididymis
- d. Vas deferens

- 12) The property of specificity of nerve fibers for transmitting only one modality of sensation is called
- a. Law of projection
 - b. Spatial summation
 - c. Labelled line principle
 - d. Weber-Fechner law
- 13) Sensation carried by the lateral spinothalamic tract is
- a. Crude touch and fine touch
 - b. Tactile localization and discrimination
 - c. Vibration and proprioception
 - d. Pain and temperature
- 14) Vagal stimulation causes increase in
- a. Heart rate
 - b. R-R interval in ECG
 - c. Cardiac output
 - d. Force of contractions
- 15) The increase in heart rate following an increase in atrial pressure is called as
- a. Bainbridge reflex
 - b. Volume reflex
 - c. Cushing's Reflex
 - d. Baroreceptor reflex
- 16) The nucleus responsible for maintaining circadian rhythm is

- a. Subthalamic nucleus
- b. Suprachiasmatic nucleus
- c. Raphe nucleus
- d. Lateral reticular nucleus

17) Refractive index of cornea is

- a. 1.39
- b. 1.33
- c. 1.42
- d. 1.37

18) The Refractive error which occurs in elderly people is

- a. Myopia
- b. Astigmatism
- c. Hypermetropia
- d. Presbyopia

19) Parkinson's disease is characterized by the following triad

- a. Hypokinesia, rigidity, tremors
- b. Rigidity, tremors, nystagmus
- c. Placidity, intentional tremors, ataxia
- d. Rigidity, hypokinesia, dysarthria

20) Lesion in optic chiasma causes

- a. Binasal hemianopia
- b. Bitemporal hemianopia

- c. Contralateral homonymous hemianopia
- d. Ipsilateral complete blindness

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