

Q.P. CODE:M102A021**Dr YSR UNIVERSITY OF HEALTH SCIENCES: VIJAYAWADA- 520008****MBBS DEGREE EXAMINATION - MARCH, 2024****FIRST M.B.B.S. EXAMINATION****PHYSIOLOGY - PAPER-II (SET-C)****(Multiple Choice Questions)****Time: 20 Minutes****Max Marks: 20****Note: Answer all questions.**

SECTION-I (MCQs - 20 MARKS)**1X2=20**

1) Normally innocuous stimuli such as touch cause pain

- a) Allodynia
- b) Hyperalgesia
- c) Analgesia
- d) Hypoalgesia

2) Which of the following is a motor tract?

- a) Posterior spinocerebellar
- b) Lateral spinothalamic
- c) Lateral corticospinal
- d) Posterior column

3) Which of these is not a neurotransmitter in the autonomic nervous system?

- a) Acetylcholine
- b) Norepinephrine

c) Neuropeptide Y

d) Muscarine

4) In a healthy, alert adult sitting with the eyes closed, the dominant EEG rhythm observed with electrodes over the occipital lobes is

a) Alpha (8-13 Hz)

b) Beta (18-30 Hz)

c) Theta (4-7 Hz)

d) Delta (0.5-4 Hz)

5) Responsible for milk ejection or milk letdown

a) Prolactin

b) Prostaglandins

c) Estrogens

d) Oxytocin

6) Center for Procedural Memory (a subdivision of implicit memory) that includes skills and habits

a) Neocortex

b) Striatum

c) Amygdala

d) Cerebellum

7) In which disorder, XO chromosomal pattern, the gonads are rudimentary or absent

a) Klinefelter's syndrome

b) Turner's syndrome

- c) Down's syndrome
- d) Testicular feminizing syndrome

8) Decidual cells are found in the

- a) Placenta
- b) Prostate
- c) Uterus
- d) Hypothalamus

9) Which of the following pituitary hormones is an opioid peptide?

- a) β -MSH
- b) ACTH
- c) Growth hormone
- d) β -Endorphin

10) First menstrual period is called

- a) Menopause
- b) Thelarche
- c) Adrenarche
- d) Menarche

11) Thyroid deficiency in children

- a) Down's syndrome
- b) Gigantism
- c) Ovarian agenesis
- d) Cretinism

12) Spermatozoa are produced in

- a) Epididymis
- b) Seminal vesicles
- c) Seminiferous tubules
- d) Prostate gland

13) Postpartum pituitary necrosis

- a) Nelson's syndrome
- b) Sheehan's syndrome
- c) Cushing's syndrome
- d) Kaspar Hauser syndrome

14) An androgen

- a) Corticosterone
- b) Transcortin
- c) Dihydroepiandrosterone
- d) Aldosterone

15) Which of the following has the slowest conduction velocity?

- a) A β fibers
- b) A δ fibers
- c) A α fibers
- d) C fibers

16) Calcitriol is converted to the more active metabolite calcitriol in

- a) Adipose tissue
- b) Intestine
- c) Kidneys
- d) Liver

17) If a muscle that has contracted isotonicly is restored to its previous length, extra heat in addition to recovery heat is called

- a) Shortening heat
- b) Initial heat
- c) Contracting heat
- d) Relaxation heat

18) In which of the following is a ligand-gated ion channel

- a) GABAA receptor
- b) GABAB receptor
- c) Norepinephrine receptor
- d) VIP receptor

19) Duchenne's muscular dystrophy is due to defect in

- a) Nebulin
- b) Dystrophin
- c) Troponin
- d) Titin

20) Sustained contraction of a muscle, with no relaxation between stimuli

- a) Muscle fatigue
- b) Twitch contraction

c) Norepinephrine receptor

d) VIP receptor

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