

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

[MBBS 0522]

MAY 2022

Sub.Code : 6054

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020)

FIRST YEAR – SUPPLEMENTARY (CBME)

PAPER II – PHYSIOLOGY

MULTIPLE CHOICE QUESTIONS

Q.P. Code: 526054

Time: 30 Minutes

Maximum : 20 Marks

Answer All Questions

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

III. Multiple Choice Questions:

(20 x 1 = 20)

1. Bradycardia caused by all except
 - A. Inspiration
 - B. Nor epinephrine
 - C. Increased intracranial pressure
 - D. Grief
2. All of the following compounds act as vasoconstrictor except
 - A. Angiotensin II
 - B. Thromboxane A₂
 - C. Prostacyclin
 - D. Endothelin
3. Total cross sectional area is greater in
 - A. Artery
 - B. Arteriole
 - C. Capillaries
 - D. Venules
4. Ventilation perfusion ratio is
 - A. Low at the apex and high at the base
 - B. Low at both apex and base
 - C. High at apex and low at base
 - D. High at both apex and base
5. The normal pleural pressure at the beginning of inspiration is
 - A. 5 cms of H₂O
 - B. 1 cms of H₂O
 - C. -5 cms of H₂O
 - D. -10 cms of H₂O

6. J receptors was discovered by
- A. Claude Bernard
 - B. Galen
 - C. Singer & Nicolson
 - D. A.S.Paintal
7. All of the following relay in thalamus except
- A. Pain
 - B. Temperature
 - C. Olfaction
 - D. Taste
8. Neurotransmitter responsible for pre synaptic inhibition is
- A. Glycine
 - B. Glutamic acid
 - C. Serotonin
 - D. GABA
9. Which part of the brain principally stores memory
- A. Amygdala
 - B. Hippocampus
 - C. Neocortex
 - D. Uncus
10. Hypothalamus regulates all except
- A. Food intake
 - B. Motor activity
 - C. Circadian Rhythm
 - D. Hypophysiscerebri
11. The low intensity light during night is detected by
- A. Cones
 - B. Rods
 - C. Both cones and rods
 - D. Crystalline lens
12. Which part of the eye is responsible for control of the amount of light entering the eye
- A. Lens
 - B. Iris
 - C. Ciliary muscle
 - D. All of the above
13. The part of the ear where sound is transduced is
- A. Outer ear
 - B. Tympanic membrane
 - C. Semicircular canals
 - D. Cochlea

14. The part of the eye which transduces blue, green and red light is
- Cornea
 - Fovea
 - Periphery of retina
 - Optic nerve
15. All are causes of obstructive shock except
- Cardiac tamponade
 - Pulmonary embolism
 - Tension Pneumothorax
 - Myocardial infarction
16. Caisson`s disease is due to:
- Increased arterial PO_2
 - Increased arterial PCO_2
 - Increased arterial PN_2
 - All of the above
17. In athletes bradycardia is because of
- Increased sympathetic tone
 - Increased vagal tone
 - Decreased cardiac output
 - Low venous return
18. Prominent U-Waves may be seen with:
- Hyperkalemia
 - Hypokalemia
 - Hyponatremia
 - Hypernatremia
19. All are monosynaptic reflexes except:
- Knee reflex
 - Biceps reflex
 - Ankle reflex
 - Abdominal reflex
20. Sympathetic postganglionic fibres to sweat glands and piloerector muscle secrete:
- Epinephrine
 - Norepinephrine
 - Acetylcholine
 - Serotonin

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