

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2019-2020)
FIRST YEAR
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. Which of the following is inhibitory to vaso motor area,
 - A. Pain pathways
 - B. Baro receptors
 - C. Chemo receptors
 - All of the above
2. Sympathetic stimulation of heart causes all except,
 - A. Increased refractory period
 - B. Decreased refractory period
 - C. Positive chronotropism
 - Positive inotropism
3. Last ditch stand is
 - A. Brain bridge reflex
 - B. Mary's reflex
 - C. CNS ischaemic response
 - Triple response
4. 3rd heart sound is due to
 - A. Closure of semilunar valves
 - B. Rapid filling of ventricles
 - C. Atrio-ventricular valves closure
 - Atrial systole
5. The following antibody is found in lungs,
 - A. IgD
 - B. IgA
 - C. IgM
 - IgG

6. Vagal stimulation causes increase in,
A. Heart rate
B. R-R interval in ECG
C. Cardiac output
Force of contraction
7. Flow in small airways is laminar because,
A. Reynolds number in small airways is more than 2000
B. Cross-sectional area in small airways is small
C. The diameter of these airways is small
The linear velocity of airflow in small air ways is extremely low
8. Stability of alveoli is maintained by,
A. Residual air
B. Increased surface areaby surfactant
C. Negative intra pleural pressure
Lung compliance
9. Apex of the lung are predisposed to tuberculosis because the alveolar air there has ,
A. Increased PCO_2
B. Increased PO_2
C. Decreased PCO_2
Deceased PO_2
10. In bends disease the gas responsible for the pathological effects is,
A. O_2
B. CO_2
C. Helium
Nitrogen
11. The chemical responsible for causing more pain following a tissue damage is,
A. Opioids
B. Ischaemia
C. Bradykinin
Substance P
12. Parkinson's disease is characterised by the following triad,
A. Hypokinesia, rigidity, tremors
B. Rigidity , tremors, nystagmus
C. Flaccidity, intentional tremors , ataxia
Rigidity, hypokinesia , dysarthria
13. Hunger centre is ,
A. Ventro-medial nucleus of thalamus
B. Lateral hypothalamic nucleus
C. Anterior hypothalamic nucleus
posterior hypothalamic nucleus

14. If the patient survives stage of spinal shock, the following activity is regained first,
A. Skeletal muscle activity
B. Smooth muscle activity
C. Sympathetic tone
Reflex activity
15. CSF pressure is
A. 120-180 mm of water
B. 120-180 mm of Hg
C. 80-100 mm of water
80-100 mm of Hg
16. All of the following are features of LMN lesion except,
A. Flaccid paralysis
B. Exaggerated deep reflexes
C. Babinski's sign negative
Muscle wasting
17. Refractive index of cornea is,
A. 1.37
B. 1.33
C. 1.42
1.39
18. Helicotrema is a communication between,
A. Cochlea and semi-circular canal
B. Vestibule and semi-circular canal
C. Scala vestibuli and scala tympani
Scala media and cochlea
19. The Refractive error which occurs in elderly people is
A. Myopia.
B. Astigmatism.
C. Hypermetropia.
Presbyopia.
20. The receptors for hearing is
A. Ear ossicles.
B. Saccule .
C. Utricle.
Haircells in cochlea.
