

[MBBS 0123]

JANUARY 2023

Sub. Code : 6054

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2019-2020)

FIRST YEAR – (CBME)

PAPER II – PHYSIOLOGY

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. Choice should be given in Capital Letters.

III. Multiple Choice Questions:

(20 x 1 = 20)

- Heart rate in atrial flutter is about
A) 95 – 150 beats B) 100 – 175 beats C) 200 – 350 beats D) >350 beats
- “Last ditch stand” pressure control mechanism is by
A) Baroreceptor reflex B) Chemoreceptor reflex
C) CNS ischemic response D) Atrial reflex
- Frank – Starling’s law implies
A) Increase in venous return increases cardiac output
B) Increased vagal discharge increases cardiac output
C) Increased heart rate causes increased cardiac output
D) Increased blood pressure increased cardiac output
- “Machinery murmur” is heard in
A) Tetralogy of Fallot B) Patent ductus arteriosus
C) Ventricular septal defect D) Atrial septal defect
- Transit time from arteriolar to the venular end of an average-sized capillary is
A) 6-8 seconds B) 10-15 seconds C) 1-2 seconds D) 3-4 seconds
- Measurement of lung volumes with a body plethysmograph uses
A) Dalton’s law B) Herny’s law C) Boyle’s law D) Graham’s law
- In healthy individuals, Physiological dead space is
A) Double than that of anatomical dead space
B) Equal to anatomical dead space
C) Less than that of anatomical dead space
D) Triple than that of anatomical dead space
- ~~Hering Breuer inflation reflex gets activated when the tidal volume is~~
A) > 500 ml B) > 1000 ml C) > 1500 ml D) > 1200 ml

