

[MBBS 0824]

AUGUST 2024

Sub. Code : 6054

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2020 -2021 Onwards)

FIRST YEAR – (CBME)
PAPER II – PHYSIOLOGY

*Q.P. Code: 526054***Time: Three hours****Maximum: 100 Marks (80 Theory + 20MCQs)****Answer All Questions**

I. Essay: **(2 x 15 = 30)**

(3+7+5)

1. a) Write about Respiratory centres.
b) Explain in detail about the chemical regulation of Respiration.
c) Add a note on Periodic breathing.
(1+12+2)

2. A 65 yr old man was brought to OP with c/o altered gait, difficulty in speech and difficulty in coordinating the movements. O/E – Difficulty in performing tests for coordination and pendular knee jerk were noted.
 - a) Where is the site of lesion?
 - b) Describe the connections and functions of the structure involved.
 - c) What is Dysmetria?

II. Write Short Notes on: **(10 x 5 = 50)**

1. Peculiarities of coronary circulation.
2. Compliance.
3. Reticular formation.
4. Blood Brain Barrier (BBB).
5. Factors which regulate the heart rate.
6. Decompression sickness.
7. Functions of Hypothalamus.
8. Define Law of Laplace. Mention its application in respiratory system.
9. Fetal circulation.
10. Rod receptor potential.
