

16M00A04

Madhya Pradesh Medical Science University

First MBBS Examination Aug - Sep 2016

Physiology Paper 2

Time : 3 Hours

Maximum Marks: 50

- Note
- Attempt all questions in the same serial order.
  - Draw well labelled diagrams wherever necessary.

- Q1 A 45 year old woman has come to the hospital OPD with complaints of weight loss, increased heart rate, and heat intolerance.. Answer the following questions on basis of your knowledge of Physiology: 5
- Name the clinical condition (0.5)
  - Explain the physiological basis of the above findings (3.5)
  - Describe the rationale of management (1.0)
- Q2 Describe functional division of cerebellum and their related functions 5
- Q3 Write short notes on: 3
- Synaptic inhibition. 3
  - Auditory pathway 3
  - Functions of thalamus. 3
  - Osteoporosis. 3
  - Regulation of body temperature in hot weather. 3
  - Conditioned learning 3
  - REM Sleep. 3
  - Effects of lesion on pyramidal tract at level of internal capsule. 3
  - Color vision. 3
  - Cushing syndrome. 3
- Q4 Write in brief: 1
- Define reflex arc. 1
  - The basic defect in astigmatism and its correction. 1
  - Rigor Mortis. 1
  - Motor unit. 1
  - Parosmia. 1
  - What is Bell – Megendie law? 1
  - Dysdiadochokinesia. 1
  - Enumerate Four functions of Reticular activating system 1
  - Functions of Sertoli cells. 1
  - Once a month oral contraceptive pills. 1