

16M00804
 Madhya Pradesh Medical Science University
 First MBBS (Supplementary) Examination 2016
 Physiology Paper 2

Maximum Marks: 50

Time : 3 Hours

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

- Q1 Describe the mechanism of excitation and contraction in skeletal muscle. 5
- Q2 Describe functions of hypothalamus. — 857 5
- Q3 Write short notes on: 3
- (A) Rheobase and chronaxie 3
 - (B) Synaptic inhibition 3
 - (C) Endogenous pain inhibiting mechanism — 840 3
 - (D) Dark and light adaptation — 983 3
 - (E) Parkinson's disease — 88 3
 - (F) Hypothyroidism — 396 3
 - (G) Nystagmus — 925 3
 - (H) Actions of insulin on carbohydrate and lipid metabolism 3
 - (I) Functions of Sertoli cells 3
 - (J) Ovulation 3
- Q4 Write in brief: 1
- (A) Chromatic aberration 1
 - (B) Conduction deafness 1
 - (C) Diabetes insipidus 1
 - (D) action of LH in males and females 1
 - (E) Achondroplastic dwarf 1
 - (F) Role of serum potassium in regulation of aldosterone 1
 - (G) Name the hormones secreted from adrenal medulla 1
 - (H) Changes seen in accommodation reflex 1
 - (I) Receptors of semi circular canal 1
 - (J) Role of Brown fat in Thermoregulation 1
- Handwritten notes and corrections:*
- Q1: 179
 - Q2: 857
 - Q3: 172, 783, 840, 983, 88, 396, 925, 412
 - Q4: 1002, 1022, 1387, 385, 927, 428, 997, 929, 260
 - Q4 (A): Chromatic aberration
 - Q4 (B): Conduction deafness
 - Q4 (C): Diabetes insipidus
 - Q4 (D): action of LH in males and females
 - Q4 (E): Achondroplastic dwarf
 - Q4 (F): Role of serum potassium in regulation of aldosterone
 - Q4 (G): Name the hormones secreted from adrenal medulla
 - Q4 (H): Changes seen in accommodation reflex
 - Q4 (I): Receptors of semi circular canal
 - Q4 (J): Role of Brown fat in Thermoregulation