

OCT-2017
CODE - 9664

FIRST MBBS
PHYSIOLOGY

PAPER 2 (ANS, MUSCLE AND NERVE PHYSIOLOGY, CNS, SPECIAL SENSES, ENDOCRINES,
REPRODUCTIVE SYSTEM)

Duration: Two and a Half hours

Total Marks: 50

Instructions: 1. Write Precisely only what is asked 2. Write legibly 3. Draw diagram wherever required 4. Do not use Red colour pen

SECTION 1

Q.1 Write short note on ANY FIVE of the following 20

- a) Response to Sympathetic Activation
- b) Functions Of Cerebellum
- c) Properties of Synapse
- d) Memory
- e) Mechanism of contraction of Smooth muscles
- f) Red muscle fiber vs white muscle fiber

Q.2 Explain ANY FIVE of the following in brief 05

- a) All post ganglionic sympathetic fibers are not adrenergic
- b) Classical decerebrate rigidity is abolished by deafferentiation but ischemic decerebrate rigidity is not.
- c) Pain of myocardial infarction is referred to left arm
- d) Duration of spinal shock occurring after trans-section is highest in human beings
- e) Cardiac muscles do not fatigue in vivo
- f) White muscle fiber contractions are fast and short lasting.

SECTION 2

Q.1 Write short note on ANY FIVE of the following 20

- a) Accommodation of Eye
- b) Acromegaly & Gigantism
- c) Insulin: Function and Stimulating and inhibiting agents
- d) Cushing Syndrome
- e) Physiology of Pregnancy
- f) Uterine changes of Menstrual cycle

Q.2 Explain ANY FIVE of the following in brief 05

- a) Refractive power of lens is more 'in vitro' than 'in vivo'.
- b) Sudden exposure of fetus to exterior initiate breathing.
- c) Sperm which can survive for months in male genital tract, do not survive for more than few days in female genital tract
- d) Epinephrine has greater cardiac stimulatory action than nor epinephrine.
- e) Cortisol is sometimes life saving in anaphylactic shock.
- f) Cushing disease is characterized by hyperpigmentation in skin.

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