



RAN-1806000101020002

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**First Year M.B.B.S. Examination**

**November / December - 2019**

**Physiology : Paper - II**

**Time: 2 : 30 Hours ]**

**[ Total Marks: 50**

**સૂચના : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fill up strictly the details of signs on your answer book

Name of the Examination:  
First Year M.B.B.S.

Name of the Subject :  
Physiology : Paper - II

Subject Code No.: 1806000101020002

Seat No.:

Student's Signature

(2) Draw diagrams and flow chart wherever required.

**SECTION - I**

- 1 How is inhibition of pain brought about? Explain gate control theory of pain. Give its clinical applications 8
- 2 Write short note on any three 12
  - a) Differentiate between Lower and Upper motor neuron lesion
  - b) Features of Cerebellar Dysfunction
  - c) Thalamic Syndrome
  - d) Night Blindness
  - e) Olfactory Pathways
- 3 Answer in brief in 1-2 sentences: (any 5) 5
  - a) Weber-Fechner law
  - b) Explain term: Subliminal Fringe
  - c) Explain: what will happen if otolith reflexes are lacking?
  - d) How Classical decerebrate rigidity is produced?
  - e) Reason of Babinski's sign
  - f) People in stress or tension have sweaty palms.

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**SECTION - II**

- 4 Write notes in short on (any 4) 8**
- a) Hyper secretion of growth hormone after puberty
  - b) Composition and Functions of Semen
  - c) Contraceptive Pills
  - d) Physiology of Parturition
  - e) Pregnancy Diagnostic Tests
  - f) Factors affecting Gastric Emptying
- 5 Write short notes on (any 3) 12**
- a) Referred pain
  - b) Calcitonin
  - c) Differences between Hyperglycaemic coma and Hypoglycaemic coma
  - d) Syndrome of Inappropriate ADH secretion (SIADH)
- 6 Answer in briefly for (any 5) 5**
- a) Generalised pigmentation of skin is seen in Addison's Disease
  - b) Give physiological basis of Carpopedal spasm.
  - c) Enumerate different taste sensations. What is taste blindness
  - d) All dwarfs do not have decreased growth hormone
  - e) Aldosterone Escape
  - f) Luteinizing hormone surge