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RAN-3703

First Year M.B.B.S. Examination

March / April - 2019

Physiology : Paper-II

Time: 2:30 Hours]

[Total Marks: 50

સૂચના : / Instructions

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.: 3 7 0 3

Seat No.:

Student's Signature

(1) Draw diagrams and flow chart wherever required.

SECTION - I

- 1 Classify receptors. List its properties and explain any four 8
- 2 Write short note on any three 12
 - a) Write about Festinant gait, chorea, athetosis and hemiballismus
 - b) Define and classify learning. Write about conditioned learning
 - c) Difference between REM and NREM sleep
 - d) What is synapse, enumerate types of synapse and describe in detail synaptic transmission
- 3 Answer in brief in 1-2 sentences: (any 5) 5
 - a) Impedance matching
 - b) Sniffing helps the act of smelling.
 - c) Functions of pupil?
 - d) Write changes occurring in eye during accommodation for near vision
 - e) Functions of Vestibulospinal tract.
 - f) Enteric nervous system is also referred as mini (little) brain

SECTION - II

- 4 Write notes in short on any 4: 8**
- Hormonal control of lactation
 - Functions of Sertoli cells
 - Physiological changes during pregnancy
 - Hormonal control of Menstrual cycle
 - Klinefelter's syndrome
- 5 Write short notes on any 3: 12**
- Describe second messenger mechanism for hormonal function
 - Functions of glucocorticoids
 - Tetany
 - Actions of Growth Hormone
- 6 Answer in brief for any 5: 5**
- The ovarian cyclic changes do not occur in nursing mothers.
 - Carotenaemia is sometimes seen in hypothyroidism.
 - Purple striae or cutaneous abdominal striae are seen in Cushing's syndrome.
 - Define Puberty
 - What is Dysmenorrhoea?
 - Hyper pigmentation is seen on skin during pregnancy.