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Nov-2015



ZOOLOGY PAPER - II : ZOO- 232
Mammalian Histology
(23156)

P. Pages : 3

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to the right indicates full marks.

1. Attempt the following multiple choice questions **any eight**.

8

- i) The part of the neuron in which nucleus lies is called.....
 - a) Cell body
 - b) Axon
 - c) Synapse
 - d) Dendrite
- ii) The place of origin of axon is called.....
 - a) Hollox
 - b) Pollax
 - c) Hillock
 - d) Axolemma
- iii) Which two types of bone-marrows are present in spongy bone.
 - a) Black and white
 - b) Red and Yellow
 - c) Orange and White
 - d) Blue and Green
- iv) muscle fibres of heart are fast conducting fibres.
 - a) Nodal
 - b) Transitional
 - c) Purkinje
 - d) Smooth
- v) The gastric gland of cardiac stomach secretes
 - a) Gastric Juice
 - b) Pepsin
 - c) Lipase
 - d) Mucous

- vi) Brunner's glands occurs in
 - a) Submucosa of duodenum
 - b) Submucosa of stomach
 - c) Mucosa of oesophagus
 - d) Mucosa of Ileum
- vii) Erythrocytes are blood cells.
 - a) Red
 - b) White
 - c) Yellow
 - d) None of these
- viii) Which of the following gland secretes calcitonin.
 - a) Pancrease
 - b) Thyroid
 - c) Pineal gland
 - d) Adrenal
- ix) Mammals are typically types of dentition.
 - a) Monophyodont
 - b) Diphyodont
 - c) Triphyodont
 - d) Polyphyodont
- x) the Salivary gland secretion contains an enzyme that converts starch into maltose.
 - a) Maltose
 - b) Amylase
 - c) Lipase
 - d) Protease

2. Define / Explain / Comment on any four.

8

- a) Enlist principal types of animal tissues.
- b) Pigment cells.
- c) Stratum corneum.
- d) Taste bud.
- e) Pancreatic Juice.
- f) Trachea.

3. Attempt any two of the following.

8

- a) Distinguish between Artery and Vein.
- b) Sketch and label L.S. of Kidney.

- c) What are hormones ? Enlist hormones of adenohypophysis and neurohypophysis.

4. a) Attempt **any two** of the following. 6

- i) Sketch and label striated muscle fibres.
- ii) Sweat gland
- iii) Explain Intestinal villi.

b) Explain Lung. 2

5. Attempt **any one** of the following. 8

- a) What is neuron ? Describe detail structure of nerve cell.
- b) Explain histological structure of liver.
