

Oct-2014



कुमकुम - 031

ZOOLOGY PAPER - II : ZOO-232
Mammalian Histology
(New) (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. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same 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 right indicate full marks.

1. Multiple choice attempt any eight.

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- i) The study of tissues known as.....
 - a) Physiology
 - b) Ecology
 - c) Histology
 - d) Anatomy
- ii) The epithelium formed by single layer of tall cells having column like appearance is called.....
 - a) Simple Columnar epithelium
 - b) Simple Pseudo stratified epithelium
 - c) Simple cuboidal epithelium
 - d) Simple squamous epithelium
- iii) Ligament joins.....
 - a) Muscle to bone
 - b) Bone to bone
 - c) Skin to muscle
 - d) Nerve to muscle
- iv) is responsible for skin colour.
 - a) Carotene
 - b) Melanin
 - c) Keratin
 - d) Haemoglobin

- v) Mammals are typically..... types of dentition.
 a) Monophyodont b) Diphyodont
 c) Triphyodont d) Polyphyodont
- vi) The gastric gland of cardiac stomach secretes.....
 a) Gastric juice b) Pepsin
 c) Lipase d) Mucous
- vii) Brunner's gland occur in.....
 a) Duodenum b) Stomach
 c) Oesophagus d) Ileum
- viii) is commonly called wind pipe.
 a) Trachea b) Oesophagus
 c) Nasal Cavity d) Larynx
- ix) is an anticoagulant which prevent Clotting of blood in blood vessels.
 a) Globulin b) Haemoglobin
 c) Antibody d) Heparin
- x) cells are means for support and nourish the developing spermatozoa.
 a) Leydig b) Sertoli
 c) Germinal d) Follicular

2. Define / Explain / Comment on **any four**.

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- a) Biopsy
- b) Function of Vein
- c) Corpus luteum
- d) Follicle stimulating hormone (FSH)
- e) Sweat gland
- f) Fibroblast cell

3. Attempt **any two** of the following.

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- a) Sketch and label L. S. of kidney.

- b) Describe histological structure of teeth.
- c) Describe histological structure of seminiferous tubule of testis.

4. A) Attempt any two of the following.

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- a) Sketch and label striated muscle fibers.
- b) Describe histological structure of parotid salivary gland.
- c) Describe histological structure of trachea.

B) Explain sebaceous gland.

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5. Attempt any one of the following.

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- a) What is neuron? Describe detail structure of nerve cell and write the different types of neurons.
- b) With the help of labelled diagram describe histological structure of duodenum.
