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कुंतल - 053

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

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet 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 the right indicates full marks.

1. Multiple choice attempt **any eight**.

8

- i) Branch of biology dealing with study of tissue is
 - a) Histology
 - b) Cytology
 - c) Microscopy
 - d) Keratin
- ii) Haversian canals are found in
 - a) Ear
 - b) Mammalian bone
 - c) Fish and amphibian bone
 - d) Simple sponges
- iii) Non-striated muscles are also known as
 - a) Cardiac muscles
 - b) Skeletal muscles
 - c) Voluntary muscles
 - d) Visceral muscles
- iv) A sebum is the secretory product of gland.
 - a) Sweat
 - b) Mammary
 - c) Pancrease
 - d) Sebaceous
- v) Which type of papillae on tongue is mushroom shaped.
 - a) Filiform papillae
 - b) Fungiform papillae
 - c) Circum vallate papillae
 - d) Foliate papillae
- vi) Pepsinogen is secreted by
 - a) Mucous gland
 - b) Intestinal gland
 - c) Chief cells
 - d) Parietal cells
- vii) Islets of langerhans are found in
 - a) Pituitary
 - b) Kidney
 - c) Spleen
 - d) Pancreas

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P.T.O.

- viii) Alveoli in lung are internally line by
- | | |
|------------------------|-------------------------|
| a) Cuboidal epithelium | b) Ciliated epithelium |
| c) Squamous epithelium | d) Glandular epithelium |
- ix) The life of erythrocytes in mammalian blood is about
- | | |
|-------------|-------------|
| a) 120 days | b) 150 days |
| c) 190 days | d) 180 days |
- x) gland is commonly known as master gland.
- | | |
|--------------|--------------|
| a) Pituitary | b) Thyroid |
| c) Adrenal | d) Pancrease |

2. Define / Explain / Comment on **any four**. 8

- | | |
|------------------|-------------|
| a) Autopsy | b) Tissue |
| c) loop of Henle | d) Acrosome |
| e) Glomerulus | f) Blood. |

3. Attempt **any two** of the following. 8

- a) Sketch and label V.S of tooth.
- b) Describe histological structure of ovary.
- c) Describe histological structure of thyroid gland.

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

- a) Sketch and label simple pseudostratified epithelium.
- b) Describe histology of lung.
- c) Describe composition of blood plasma.

b) Explain function of skin. 2

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

- a) What is simple epithelium and describe the type of simple epithelial tissue.
- b) With the help of labelled diagram describe histological structure of pancrease.
