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No.

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April 2014

कण - 040

ZOOLOGY PAPER - II : ZOO - 242

Mammalian Physiology

(New) (24156)

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) Mammals are.....
 - a) Poikilothermic
 - b) Homoeothermic
 - c) Isothermic
 - d) None.
- ii) Secretion of endocrine gland is called.....
 - a) Enzyme
 - b) Hormone
 - c) Mucous
 - d) None.
- iii) The secretory unit of the salivary glands is.....
 - a) Gland
 - b) Acini
 - c) Nerve cells
 - d) All.
- iv) Progesterone is secreted by.....
 - a) Follicular cells
 - b) Corpus luteum
 - c) Corona radiata
 - d) All above.
- v) The normal content of Haemoglobin in human female is gm/100 ml of blood.
 - a) 8-12 gm
 - b) 10-14 gm
 - c) 12-16 gm
 - d) None.
- vi) In latent period, muscle is
 - a) Constant
 - b) Normal level
 - c) Remain constant
 - d) None.

- vii) Synaptic cleft is filled with
 a) Gelatinous fluid b) Cerebrospinal fluid
 c) Pericardial fluid d) None.
- viii) Pacemaker is located in
 a) Rt - auricle b) Rt. Ventricle
 c) LT - auricle d) Lt Ventricle.
- ix) Kidney perform the function of.....
 a) Respiration b) Filtration
 c) Thermoregulation d) None.
- x) The alpha cells of the islets secrete
 a) Glucagon b) Insulin
 c) Somatostatin d) None.
2. Define / Explain / Comment on **any four**. 8
 a) Cirrhosis b) Angina pectoris
 c) Puberty d) Tetanus
 e) ADH f) Asphyxia.
3. Attempt **any two** of the following. 8
 i) Describe intestinal juice.
 ii) Sketch and label cardiac cycle.
 iii) Role of progesterone.
4. a) Attempt **any two** of the following. 6
 i) Sketch and label synapse.
 ii) Summation.
 iii) Functions of Hydrochloric acid.
- b) Explain, Ectotherms. 2
5. a) Attempt **any one** of the following. 6
 i) Describe the phenomenon of urine formation.
 ii) Explain, the mechanism of ventilation.
- b) Parturition. 2
