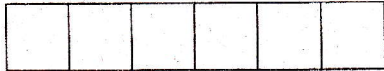


Oct-2014



कदंब - 019

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. 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. Figure to the right indicates full marks.

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

8

- i) Thermoregulation means
a) Temperature regulation b) Salt regulation
c) Water regulation d) None
- ii) Mammalian pituitary gland has lobes.
a) Two b) Three
c) Four d) None
- iii) The chief cells produce the enzymes and rennin.
a) Zymase b) Kimase
c) Pepsin d) Alkaline
- iv) Testosterone is secreted by
a) Interstitial cells of Leydig b) Graafian follicle
c) Sertoli cells d) All above
- v) The normal content of Haemoglobin in human male is..... gm/ 100 ml of blood.
a) 8-12 gm b) 10-14 gm
c) 12-16 gm d) None
- vi) In relaxation period, Muscle is
a) Shorten b) Normal level
c) Remain constant d) None
- vii) Which of the following is not neurotransmitter substance.....
a) Adrenalin b) Acetylcholine
c) Serotonin d) Dopamine

viii) To record graphical and electrical variations in heart is used.

- | | |
|--------|--------|
| a) EEG | b) USG |
| c) MRI | d) ECG |

ix) In mammals, the main excretory organ is.....

- | | |
|------------|----------|
| a) Heart | b) Brain |
| c) Kidneys | d) None |

x) The delta cells of the islets secrete

- | | |
|-----------------|------------|
| a) Somatostatin | b) Insulin |
| c) Glucagon | d) None |

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

- | | |
|----------------|---------------------|
| a) Leukemia | b) Colitis |
| c) Cynosis | d) Thermoregulation |
| e) Angioplasty | f) Anoxia. |

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

- i) Diagrammatic representation of oxygen haemoglobin dissociation curves.
- ii) Role of Oestrogen.
- iii) Normal composition of urine.

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

- i) Sketch and label synapse.
- ii) Tetanus.
- iii) Neurohypophysis.

b) Explain, Nephritis. 2

5. a) Attempt **any one** of the following. 6

- i) Describe the mechanism of pacemaker.
- ii) Explain, gastric digestion.

b) Puberty. 2
