

Third Semester M.Sc. - II Examination

ZOOLOGY

Paper - XII

Elective Paper. Animal Physiology - II

P. Pages : 3

Time : Three Hours]

[Max. Marks : 80

-
- Note :** (1) All questions are compulsory.
(2) All questions carry equal marks.
(3) Draw labelled diagrams wherever necessary.

1. Describe the following :—

- (a) Path-way's of Thermoreceptors.
- (b) Physiology of equilibrium receptors.
- (c) Path-ways of Photoreceptors.
- (d) Physiology of chemoreceptors.

OR

- (e) Physiology of mechanoreceptors.
- (f) Path-way of electroreceptors
- (g) Physiology of Magnetoreceptor
- (h) Physiology of Thermoreceptors.

16

2. Describe the following :—

- (i) Hormonal response to exercise.
- (j) Skeletal muscle blood flow.
- (k) Exercise at high altitude.
- (l) Acclimatization to high altitude.

OR

- (m) Respiratory response to exercise.
- (n) Metabolic adjustment in exercise.
- (o) Physiology of neural factor in exercise.
- (p) Respiratory changes at high altitude. 16

3. Explain the following :—

- (q) Structure of Kidney.
- (r) Role of Kidney in water regulation.
- (s) Renin angiotensin.
- (t) Henley's loop and its significance.

OR

- (u) Role of kidney in pH regulation.

(v) Antidiuretic hormone.

(w) Reabsorption.

(x) Urine formation.

16

4. Give an account of hyperthermic hormones.

OR

Explain the hormonal control of male. 16

5. Explain physiology underlying fear and anxiety.

OR

Give an account of pheromones in insects. 16

