

This question paper contains 3 printed pages]

R—88—2017

FACULTY OF SCIENCE

B.Sc. (Second Semester) EXAMINATION

MARCH/APRIL, 2017

(CBCS/CGPA)

ZOOLOGY

Paper III

(Life and Diversity of Animals-II)

(MCQ+Theory)

(Thursday, 6-4-2017)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

- N.B. :—*
- (i) One mark to each correct answer of MCQ.
 - (ii) Negative marking system is applicable.
 - (iii) Use black ball point pen to darken the circle of correct choice in OMR answer-sheet.
 - (iv) Darken only one circle for the answer of an MCQ.
 - (v) Draw a well labelled diagram, wherever necessary.
 - (vi) Use separate answer-sheet (OMR) for Question No. 1.

(MCQs)

1. Select the *correct* answer for each of the following MCQs : 10

(i) Retrogressive metamorphosis occurs in

- (a) Cephalochordata
- (b) Hemichordata
- (c) Urochordata
- (d) Cyclostomata

(ii) Jawless vertebrates are included in

- (a) Agnatha
- (b) Gnathostomata
- (c) Amphibian
- (d) Mammals

P.T.O.

- (iii) In osteichthyes fishes, the endoskeleton is
- (a) Cartiliginous (b) Bony
(c) Both (a) and (b) (d) None of these
- (iv) Scoliodon is fish.
- (a) Oviparous (b) Ovovivi parous
(c) Viviparous (d) All of these
- (v) Winder sleep in frog is called as
- (a) Hibernation (b) Aestivation
(c) Encystment (d) Nesting
- (vi) The body of reptiles, is covered with
- (a) scales (b) scutes
(c) shields (d) all of these
- (vii) Skin of birds contains
- (a) Sweat gland
(b) Oil gland distributed all over the body
(c) Oil gland in the tail region only
(d) Mucus gland
- (viii) Marsupial pouch is present in
- (a) Kangaroo (b) Monkey
(c) Rabbit (d) Platypus
- (ix) The ear of rat consists of
- (a) External ear (b) Inner ear
(c) Middle ear (d) All of these
- (x) In rat, the photosensitive cells are called as
- (a) leans and cones (b) cornea and rods
(c) iris and cornea (d) rods and cones

(Theory)

2. Describe general characters of urochordata.

10

WT

(3)

R—88—2017

Or

- (a) General characters of cylostomata.
 - (b) External characters of rat.
3. Describe respiratory system of scoliodon. 10
- Or*
- (a) Heart of scoliodon
 - (b) Brain of rat.
4. Give an account of flight adaptation in birds. 10
- Or*
- (a) General characters of amphibia
 - (b) Classification of mammals.

R—88—2017

3