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AO—83—2018

FACULTY OF SCIENCE

B.Sc. (Second Semester) EXAMINATION

MARCH/APRIL, 2018

(CBCS/CGPA)

ZOOLOGY

Paper III

(Life and Diversity of Animals–II)

(MCQ + Theory)

(Saturday, 31-3-2018)

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 sheet.

(iv) Darken only one circle for the answer of an MCQ.

(v) Draw well labelled diagrams, wherever necessary.

(vi) Use separate answer-sheet (OMR) for Question No. 1.

MCQ

10

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

(1) Chordates are distinguished from non-chordates by presence of

- (A) Ventral nerve cord
- (B) Dorsal tubular nerve cord
- (C) Paired nerve cord
- (D) All of the above

(2) Circular mouth is present in

- (A) Urochordata
- (B) Cephalochordata
- (C) Hemichordata
- (D) Cyclostomata

P.T.O.

- (3) In chondrichthyes fishes, the endoskeleton is
- (A) Cartilaginous (B) Bony
(C) Both (A) and (B) (D) Absent
- (4) In scoliodon there are pair of cranial nerves.
- (A) 6 (B) 8
(C) 10 (D) 12
- (5) Summer sleep in frog is called as
- (A) Aestivation (B) Hibernation
(C) Encystment (D) Nesting
- (6) The venom of cobra affects on
- (A) Respiratory system (B) Nervous system
(C) Digestive system (D) Excretory system
- (7) In Birds, the bones are
- (A) Hollow and heavy (B) Solid and light
(C) Hollow and light (D) Like iron rods
- (8) Egg laying mammals are
- (A) Prototheria (B) Eutheria
(C) Metatheria (D) All of these
- (9) Rat foot bears five toes ending in
- (A) Nails (B) Web
(C) Claws (D) All of these
- (10) The brain of rat, cerebral hemisphere is associated with the function of
- (A) Sense of smell
(B) Co-ordination of intelligence
(C) Sense of balance
(D) Sense of sight

Theory

2. Describe general characters of cephalochordata. 10

Or

(a) Retrogressive metamorphosis.

(b) General characters of mammals.

3. Explain digestive system of scoliodon. 10

Or

(a) Economic importance of fishes.

(b) Ear of Rat.

4. Give an account on parental care in amphibian. 10

Or

(a) Migration of Birds.

(b) Structure of heart of Rat.