



DO-003-001424

Seat No. _____

B. Sc. (Sem. IV) (CBCS) Examination

April / May - 2015

Zoology

(New Course)

Faculty Code : 003

Subject Code : 001424

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- Instructions :** (1) Draw neat and labeled diagram wherever necessary.
(2) Figures to the right side indicate full marks for the question.

- 1** Choose the correct one from multiple options. **20**
- (1) In Scoliodon, caudal fin is
(a) Homocircal (b) Heterocircal
(c) matacircal (d) Polycircal.
- (2) Which of the following is Cyclostomata?
(a) Pristis (b) Myxine
(c) Hyla (d) Oikopleura.
- (3) In which process Epiboly of the cells is produced?
(a) Early cleavage (b) Late cleavage
(c) Blastulation (d) Gestrulation.
- (4) The embryo having with very first space is called as
(a) zygote (b) Blsatula
(c) Gestrula (d) Cleavage.
- (5) On the basis of classification, which one is differ from the others?
(a) Testudo (b) Sphenadon
(c) Phrynosoma (d) Ostrich.

- (6) How many numbers of chambers are present in the heart of Scoliodon?
- (a) 1 (b) 2
(c) 3 (d) 4
- (7) Which cleavage leads to divide the embryo into micromere and macromer?
- (a) First (b) Second
(c) Third (d) fourth.
- (8) By which name, the space extend inside the Bowman's Capsule is called ?
- (a) Capsular (b) Loop space
(c) Pyramid (d) Cortex
- (9) In Chick egg, Blastodisc located on the
- (a) Letebra (b) Nucleus of Pander
(c) Air space (d) Viteline layer.
- (10) List of threaten birds and animals is describe in which data book?
- (a) White data book (b) Yellow data book
(c) Red data book (d) black data book.
- (11) Which substance does not include in excretory product?
- (a) Urea (b) Uric acid
(c) Ammonia (d) Fatty acid.
- (12) In which part of the alimentary canal, Absorption occurs?
- (a) Mouth (b) Stomach
(c) Intestine (d) Colon.
- (13) What is comman name of 'Pinctada' genus?
- (a) Pomfret (b) Prawn
(c) Bombay duck (d) Pearl oyster.
- (14) Poulorum caused by
- (a) Bacteria (b) Virus
(c) Protozoa (d) Nemetod

- (15) Which fisheries item is call as'Bumala'?
- (a) Pomfret (b) Prawn
(c) Bombay duck (d) Pearl oyster.
- (16) Symptoms of Green diarrhea is caused by
- (a) Ranikhet (b) Poulorum
(c) Tape-worm (d) None of these.
- (17) Rennin only produce in
- (a) Mouth (b) Stomach
(c) Intestine (d) Colon.
- (18) In Caloties, Pectine is located in
- (a) Ear (b) Eye
(c) Nosril (d) Mouth.
- (19) Which one of the following is non-venomous snake?
- (a) Cobra (b) Crait
(c) Sand boa (d) Hydrofish
- (20) Glomerulus, found in
- (a) T. S. Of Thyroid Gland
(b) T.S. Of Pancreas
(c) T. S. Of Tongue
(d) T. S. Of Kidney.

- 2** (A) Attempt any **three** out of five., **6**
- (1) Explain only structure of Palcoid scale.
(2) Explain characteristics of Agnatha.
(3) Explain Fixing of Tissue for Histological Techniques.
(4) Ammonia as excretory substance.
(5) Structure of Blood cells.
- (B) Attempt any **three** out of five. **9**
- (1) Ampullae of Larenzini.
(2) Gastric digestion.
(3) Explain - Absorption.
(4) Difference between poisonous and Nonpoisonous snake.
(5) Describe type of Granuloscytes.

- (C) Attempt any **two** out of five. **10**
- (1) Classify -Sting ray.
 - (2) Explain Rotary type of Microtome.
 - (3) Male reproductive system of Scoliodone.
 - (4) Histological structure of Thyroid gland.
 - (5) Structure of Nephron.
- 3** (A) Attempt any **three** out of five. **6**
- (1) Explain crafts and gears for Pomfret fishing..
 - (2) Explain importance of pharmaceutical biotechnology.
 - (3) Describe identification marks of White Rumped Vulture.
 - (4) Describe first two cleavage of Frog.
 - (5) Pectin of Calotes.
- (B) Attempt any **three** out of five. **9**
- (1) Nutritive value of Chick egg.
 - (2) Draw only labelled figure -Gastrula of frog.
 - (3) Explain main reasons of wild life depletion in India.
 - (4) Describe Ranikhet, as poultry diseases.
 - (5) Describe in brief -threats to Himalayan Golden Eagle.
- (C) Attempt any **two** out of five. **10**
- (1) Blastulation in frog
 - (2) Structure of Chick egg.
 - (3) Digestive system of Calotes.
 - (4) Describe Bombay duck fisheries.
 - (5) Explain -Snow leopard as threatened animal.
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