



MAJ-003-001533

Seat No. _____

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

October / November – 2016

Zoology : Z-501

(Functional Anatomy of Non Chordates)

(New Course)

Faculty Code : 003

Subject Code : 001533

Time : 2½ Hours]

[Total Marks : 70

- Instructions :** (1) Illustrate your answer with neat and labelled diagrams.
(2) Figures to the right side indicate full marks of the questions.

1 Answer the following Short Questions : 20

- (1) Give only name of two Amphineurans of mollusca.
- (2) Fasciola hepatica is also known as _____.
- (3) Seminal vesicle terminate in to _____ sac in sepia.
- (4) A typical flagellum consist of an elongated stiff, axial filament called _____.
- (5) Give only name of body division of scorpion.
- (6) Incomplete metamorphosis is also known as _____.
- (7) Give an example of myxotrophic nutrition.
- (8) Which type of canal system found in leucosolenia ?
- (9) The most notable example of the great barrier reef is situated in _____.
- (10) In which class of molluscan foot used as digging organ ?
- (11) Which disease is caused by entamoeba hitolytica?
- (12) Define Medusa.
- (13) Ancylostoma is also known as _____.

- (14) Classify *musca domestica* up to order.
- (15) Name the larva of *Balanoglossus*.
- (16) Give the another name of mashroom coral.
- (17) Define coral.
- (18) Give only name of sense organs in *sepia*.
- (19) What is torsion ?
- (20) Write only name of all classes which are belongs to *echinodemata*.

- 2 (a) Write any **three** out of six : **6**
- (1) Ink gland in *sepia*.
 - (2) Spicules.
 - (3) Holophytic nutrition in protozoa.
 - (4) Hydrozoan coral.
 - (5) Infection and disease caused by *trichinella spiralis*.
 - (6) Pectine in scorpion.
- (b) Write any **three** out of six : **9**
- (1) Taxonomical position of *peripetetus*
 - (2) Attol coral reef
 - (3) Ascon type canal system
 - (4) *Megalopa* larva
 - (5) Binary fission in *paramecium*
 - (6) Sketch and labeled - *Auricularia* larva.
- (c) Write any **two** out of five : **10**
- (1) Torsion in mollusca.
 - (2) Digestive system in *sepia*.
 - (3) Metamorphosis in insects.
 - (4) Affinities of *Balanoglossus*.
 - (5) Water vascular system in *echinodermata*.

- 3 (a) Write any **three** out of six : 6
- (1) Holozoic nutrition.
 - (2) Gammules.
 - (3) Book lungs in scorpion.
 - (4) Economic importance of sponge.
 - (5) Infection and disease caused by trypanosoma.
 - (6) Flagellary movement in protozoa.
- (b) Write any **three** out of six : 9
- (1) Sycon type canal system
 - (2) Metamerism in annilids
 - (3) Zoea larva
 - (4) Male reproductive system in scorpion
 - (5) Ophiopluteus larva
 - (6) Barrier reef.
- (c) Write any **two** out of five : 10
- (1) Nervous system in scorpion.
 - (2) Polymorphism in coelenterata.
 - (3) Foot in mollusca.
 - (4) Parasitic adaptation of Fasciola.
 - (5) Infection and disease caused by Ancylostoma and Wuchereria bancrofti.
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