

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2010 - 11)

SUBJECT CODE: ZL/AC/GZ13

B.Sc. DEGREE EXAMINATION NOVEMBER 2010
BRANCH V.A. PLANT BIOLOGY & PLANT BIOTECHNOLOGY
FIRST SEMESTER

COURSE : ALLIED CORE
PAPER : GENERAL ZOOLOGY-I
TIME : 2 ½ HOURS

MAX. MARKS: 100

SECTION A

ANSWER ALL QUESTIONS

(10X3=30)

- Write the zoological name of the following organisms
a) Starfish b) Pigeon c) Prawn
- Associate the following with the respective animal
a) Cyclosis b) Petasma c) Polian vesicle
- Relate the structure of the following with their respective function
a) Contractile vacuole b) Tube feet c) Epipodite
- Associate the following larvae to their respective adult
a) Zoea b) Bipinnaria c) Tad pole
- Mention the habitat of the following animals
a) Paramecium b) Ascaris c) Frog
- Name the animal in which the following structure is present
a) cilia b) Pinna c) dermal branchiae
- Fill in the blanks**
a) The excretory organ of Earthworm is called_____.
b) The larva of Ascaris is called_____.
c) The Nuptial pad is present in _____ frog.
d) Hemocyanin is the respiratory pigment of_____.
e) Trichocyst is an organ of offence and defense in _____.
f) The life cycle of prawn includes_____ larval stages.
- State whether True/False**
a) The axial tentacles are seen at the tip of the arms in starfish.
b) Ascaris is an ectoparasite.
c) Uropod is the first appendage in prawn.
d) Sexes are separate in Frog.
e) Pigeon is an aquatic bird.
f) Rabbit has a long tail.

9. Choose the correct answer
- Ascaris is an example of the phylum
I) Protozoa II) Annelida III) Nematoda
 - _____ is the organ of locomotion in Paramecium
I) Flagellum II) Cilia III) Pseudopodia
 - Question mark shaped endopodite is seen in _____.
I) Second Maxilla II) Second Maxillipede III) Chelate leg
 - Web is seen in the leg of _____.
I) Rabbit II) Frog III) Pigeon.
 - The hepatopancreas in starfish is a /an _____.
I) Digestive gland II) Salivary gland III) excretory gland
 - Heart of Pigeon is
I) 2 – Chambered II) 3 – Chambered III) 4 - Chambered
10. Match the following
- Trichocyst - water vascular system
 - Madreporite - Prawn
 - Endo parasite - Paramecium
 - Greengland - Pigeon
 - Air sacs - Rabbit
 - Salivary gland - Ascaris

SECTION – B

ANSWER ANY 5 QUESTIONS (ILLUSTRATE WHEREVER NECESSARY)

(5X6=30)

- Describe the feeding mechanism of *Paramecium*.
- Write notes on the reproductive system in Earthworm.
- Describe the cephalo thoracic appendages of prawn.
- Write notes on the pedicellaria of starfish.
- Write about the female urinogenital system of frog.
- Describe the feathers of Pigeon.
- Explain the structure of brain of rabbit.

SECTION – C

ANSWER ANY 2 QUESTIONS (ILLUSTRATE WHEREVER NECESSARY)

(2X20=40)

- Write an essay on conjugation in *Paramecium*.
- Describe in detail the water vascular system of starfish.
- Write an essay on the respiration in Frog.
- Explain the structure and working of heart in Rabbit.
