

(A-14)

SEAT No. _____

No. of Printed Pages : 2

SC

SARDARPATEL UNIVERSITY
B.Sc. Semester III Examination-2010
US03EZ001

Invertebrate, Physiology, Biotechnology & Parasitology

Date: 27-11-2018 ,Tuesday Time: 02:00am-04:00pm Marks: 70

Q-1 Multiple choice questions

10

1. Nereis belongs to phylum _____
a) Artropoda b) Mollusca c) Annelida d) none of these
2. Parapodia in Nereis help in _____
a) Locomotion b) Digestion c) Respiration d) Both a & c
3. Liver fluke is not affected by enzymes of host because of _____.
a) Cuticle b) Suckers c) Epidermis d) Hooks
4. Which blood vessels carry blood from the tissue to heart ?
a) Artery b) Vein c) Both d) None of them
5. Which type of Blood Circulation present in human ?
a) Closed b) Open c) Both d) None of them
6. Which type of circulating medium found in mammals?
a) Hydrolymph b) Lymph c) Haemolymph d) none of them
7. Thyroid gland secrete _____ hormone
a) FSH b) Calcitonin & Triiodothyronine c) progesteron d) Thyroxin
8. The hormone responsible for gamete formation
a) LH b) FSH c) ADH d) MSH
9. AIDS is consider as a.....
a) STD b) parasitic deaseas c) common deasease d) none of above
10. Primary requirements for tissue culture is
a) Culture medium b) Sterile environments c) a and b d) none of these

①

(P.T.O.)

Q.2 Answer the following (any ten)

20

1. Draw a labeled diagramme of Neries
2. What is hetero neries
3. Write about nervous system of Liver fluke
4. Write any two culture medium
5. What is anticoagulant system?
6. What is lymph? Explain in brief
7. Write importance of circulatory medium
8. What is hormone? Explain in brief
9. Write importance of endocrine glands
10. Write name of hormones secreted by pituitary gland
11. Write any four names of pathogen effect our life
12. How to control AIDS in short

Q.3 Write short notes on

- a) Digestive system and digestion of Neries **07**
b) Write short note on meracidium **03**

OR

- Q.3 a) Parasitic adaption of Liver fluke **07**
b) Draw a labeled diagramme of Neries reproductive system **03**

- Q.4 What is ABO blood system? And Rh factor **10**

OR

- Q.4 Describe structure and working of human heart with labeled diagramme **10**

- Q.5 a) write note on action of Water soluble hormones **05**
b) Describe synthesis of Thyroid hormones **05**

OR

- Q.5 a) write note on adrenal gland and its Hormones **05**
b) Write note on parathyroid gland Hormones **05**

Q.6 Write notes on

(05+05=10)

- a) Genetic counseling b) Trypanosoma and its drugs

OR

Q.6 Answer the following

(05+05=10)

- a) What is heart attack? How it control, write in short
b) Define Transgenic animal describe any two animals

— X —
②