



V.P. &R.P.T.P. SCIENCE COLLEGE  
B.Sc. Semester III Examination-2018  
US03EZOO01

**Invertebrate, Physiology, Biotechnology & Parasitology**

Date: 4-10-2018 ,Thrusday Time: 03:00am-05:00pm Marks: 50

**Q-1 Multiple choice questions**

**08**

1. Nereis belongs to \_\_\_\_\_ phylum.  
a) Arthropoda      b) Chordata      c) Annelida      d) none of these
2. Parapodia in Nereis help in \_\_\_\_\_  
a) Locomotion      b) Digestion      c) Excretion      d) All of these
3. Which blood vessels carry blood from the heart to the tissue?  
a) Ventral vein      b) Vein      c) Both      d) None of them
4. Blood Circulation takes the following course in human heart:  
a) Left atrium-Left ventricle-Lungs-Right atrium-Right ventricle  
b) Right atrium-Left ventricle  
c) Left atrium-Left ventricle  
d) None of these
5. Which hormone secrete by follicular cells of thyroid gland  
a) Testosterone      b) Calcitonin & Triiodothyronine      c) progesteron      d) Thyroxin
6. The hormone responsible for gamete formation  
a) LH      b) FSH      c) ADH      d) MSH
7. AIDS is consider as a.....  
a) STD      b) parasitic deaseas      c) common deasease      d) none of above
8. Primary requirements for tissue culture is  
a) Culture medium      b) Sterile environments      c) a and b      d) none of these



**Q.2 Answer the following (any five)**

**10**

1. Write labeled diagramme of liver fluke
2. Write brief note on hetero neries
3. Define any two culture medium
4. hat is hormone? Explain in brief
5. Write name of endocrine glands present in human
6. How to control AIDS
7. Write any four names of pathogen effect our life
8. How to control AIDS

**Q.3 Classify Neries and explain Digestive system of neries**

**08**

**OR**

**Q.3 a) Parasitic adaption of Liver fluke**

**05**

**b) Classify, draw and labeled diagramme of Liver fluke**

**03**

**Q.4 Explain ABO system in detail**

**08**

**OR**

**Q.4 Explain structure and working of human heart with labelled diagramme**

**08**

**Q.5 a) write note on water soluble hormones**

**05**

**b) Draw Thyroid gland and write it hormones**

**03**

**OR**

**Q.5 write note on Hormones of Pituitary gland**

**08**

**Q.6 What is Genetic counselling? Explain with examples**

**08**

**OR**

**Q.6 What is Transgenic animal ? write with suitable example**

**08**