

SEAT No. _____

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SARDARPATEL UNIVERSITY
B.Sc. Semester III Examination-2021
US03EZOO01

Invertebrate, Physiology, Biotechnology & Parasitology

Date: 6-01-2021, Wednesday Time: 02:00am-04:00pm Marks: 70

Q-1 Multiple choice questions

10

1. Parapodia in Nereis help in _____
a) Locomotion b) Digestion c) Reproduction d) none
2. Nereis belongs to phylum _____
a) Artropoda b) Mollusca c) Annelida d) none of these
3. Which blood vessels carry blood from the tissue to heart ?
a) Artery b) Vein c) Both d) None of them
4. Liver fluke is not affected by enzymes of host because of _____
a) Cuticle b) Suckers c) Epidermis d) Hooks
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 True / false and fill in the blanks

08

1. Neries is belongs to arthropoda (True/False)
2. Haem and globulin present in RBC (True/False)
3. Endocrine gland helps in digetion (True/False)
4. AIDS is airborne diseases (True/False)
5. Neries adult form called _____
6. _____ is anticoagulant
7. Growth hormone circuited by _____ gland
8. _____ is called slipping sickness diseases

Q.3 Answer the following (any ten)

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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 long question (any four)

(8X4=32)

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| a) Digestive system and digestion of Neries | 08 |
| b) Parasitic adaption of Liver fluke | 08 |
| c) What is ABO blood system? And Rh factor | 08 |
| d) Describe structure and working of human heart | 08 |
| e) What is Hormone? write note on action of Water soluble hormones | 08 |
| f) write note on adrenal gland and its Hormones | 08 |
| g) What is heart attack? How it control, write in short | 08 |
| h) Define Transgenic animal describe any two animals | 08 |

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