

**DATE:**  
**STD: XI**

**REVISION EXAM – 1**  
**BIO-ZOOLOGY**

**TIME:1½ HRS**  
**MARKS : 35**

**PART-1**

**Note: i) answer all the questions ii) choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer 8x1=8**

- Who coined the term biodiversity?  
a. Walter Rosen      b. AG Tansley      c. Aristotle      d. AP de Candole.
- Which of the following have the highest number of species in nature?  
a. Insects      b. Birds      c. Angiosperms      d. Fungi
- Presence of gills in the tadpole of frog indicates that  
a. fishes were amphibious in the past      b. fishes evolved from frog-like ancestors  
c. frogs will have gills in future      d. frogs evolved from gilled ancestor
- Which of the following substances in tobacco smoke damage the gas exchange system?  
a. carbon monoxide and carcinogens      b. carbon monoxide and nicotine  
c. carcinogens and tar      d. nicotine and tar
- What is the function of lymph?  
a. Transport of O<sub>2</sub> into brain      b. Transport of CO<sub>2</sub> into lungs  
c. Bring interstitial fluid in blood      d. Bring RBC and WBC in lymph node
- Synovial fluid is found in  
a. Ventricles of the brain      b. Spinal cord      c. immovable joint      d. freely movable joints.
- The respiratory centre is present in the  
a. Medulla oblongata      b. Hypothalamus      c. Cerebellum      d. Thalamus
- Isinglass is used in  
a. Preparation      b. Clearing of wines      c. Distillation of wines      d. Preservation of wines

**PART-II**

**Note: Answer any 4 of the questions**

**4x2=8**

- Write the peculiar characters of duck.
- Why is the blind spot called so?
- How does an isotonic contraction take place?
- Distinguish between mitral valve and semi lunar valve.?
- How the body makes long-term adjustments when living in high altitude.
- Why are villi present in the intestine and not in the stomach?

**PART-III**

**Note: Answer any 3 of the questions. Question No.19 is compulsory**

**3x3=9**

- Pineal gland is an endocrine gland, write its role.
- The choroid plexus secretes cerebrospinal fluid. List the function of it.
- Write the characteristics that contributes to the success of reptiles on land.
- Differentiate white adipose tissue from brown adipose tissue.?
- Draw the structure of L S of kidney?

**PART-IV**

**Note: Answer all the questions.**

**2x5=10**

- a. Define cross breeding.  
b. What are the advantages of artificial insemination? (OR)  
What are the benefits of regular exercise?
- Differentiate between male and female cockroach? (OR)  
Describe the mechanism by which the human heart beat is initiated and controlled.

**"Warriors are not the ones who always win but the ones that always fight"**

**DATE:**  
**STD: XI**

**REVISION EXAM-2**  
**BIO-ZOOLOGY**

**TIME: 1½ HRS**  
**MARKS : 35**

**PART-1**

**Note: i) answer all the questions ii) choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer 8x1=8**

1. Exoskeleton of which phylum consists of chitinous cuticle?  
a. Annelida      b. Porifera      c. Arthropoda      d. Echinodermata
2. Buccopharyngeal respiration in frog  
a. is increased when nostrils are closed      b. Stops when there is pulmonary respiration  
c. is increased when it is catching fly      d. stops when mouth is opened.
3. The sphincter of Oddi guards  
a. Hepatopancreatic duct      b. Common bile duct  
c. Pancreatic duct      d. Cystic duct
4. Which of the following substances in tobacco smoke damage the gas exchangesystem?  
a. carbon monoxide and carcinogens      b. carbon monoxide and nicotine  
c. carcinogens and tar      d. nicotine and tar
5. Which one of the following plasma proteins is involved in the coagulation of blood?  
a. Globulin      b. Fibrinogen      c. Albumin      d. Serum amylase
6. Animal requiring minimum amount of water to produce urine are  
a. ureotelic      b. ammonotelic      c. uricotelic      d. chemotelic
7. Induced breeding technique is used in  
a. Marine fishery      b. Capture fishery      c. Culture fishery      d. Inland fishery
8. The functional unit of a muscle fibre is  
a. sarcomere      b. sarcoplasm      c. myosin      d. actin

**PART-II**

**Note: Answer any 4 of the questions**

**4x2=8**

9. Compare Schizocoelom with enterocoelom.
10. Some epithelia are pseudostratified. What does this mean?
11. Define BMI?
12. Why is pneumonia considered a dangerous disease?
13. What are the heart sounds? When and how are these sounds produced?
14. Write the peculiar characters of duck.

**PART-III**

**Note: Answer any 3 of the questions. Question No.19 is compulsory**

**3x3=9**

15. What are the components of blood in frog?
16. Pineal gland is an endocrine gland, write its role.
17. What is the difference between a Zoological Park and museum?
18. Draw the L.S of kidney.
19. Differentiate between rod and cone cells.

**PART-IV**

**Note: Answer all the questions.**

**2x5=10**

20. Discuss the various techniques adopted in cattle breeding? (OR)  
What are the functions of the skeletal system?
21. Explain the conditions which creates problems in oxygen transport. (OR)  
Explain the female reproductive system of frog.

 **All the best** 

**DATE:**  
**STD: XI**

**REVISION EXAM-3**  
**BIO-ZOOLOGY**

**TIME:1½ HRS**  
**MARKS : 35**

**PART-1**

**Note: i) answer all the questions ii) choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer 8x1=8**

- Pneumatic bones are seen in  
a. Mammalia                      b. Aves                      c. Reptilia                      d. Sponges
- Presence of gills in the tadpole of frog indicates that  
a. fishes were amphibious in the past                      b. fishes evolved from frog -like ancestors  
c. frogs will have gills in future                      d. frogs evolved from gilled ancestor
- CO<sub>2</sub> is transported through blood to lungs as  
a. carbonic acid                      b. oxyhaemoglobin                      c. carbamino haemoglobin  
d. carboxy haemoglobin
- At any given time, there is more blood in the venous system than that of the arterial system. Which of the following features of the veins allows this?  
a. relative lack of smooth muscles                      b. presence of valves  
c. proximity of the veins to lymphatic's                      d. thin endothelial lining
- In adults the GFR is approximately  
a. 100-105mL/min                      b. 90-100mL/min                      c. 120-125mL/min                      d. 140-165mL/min
- The pointed portion of the elbow is  
a. acromion process                      b. glenoid cavity                      c. olecranon process                      d. symphysis
- The organ of Corti is a sensory ridge located on the top of the  
a. Basilar membrane                      b. Tectorial membrane                      c. Reisner's membrane                      d. inner membrane
- The smallest breed of Cow as per World Guinness Records is  
a. Malvi breed                      b. Kangayam breed                      c. Vechur breed                      d. Ongole breed

**PART-II**

**Note: Answer any 4 of the questions**

**4x2=8**

- Define Tautonymy?
- Why flatworms are called acoelomates?
- Frogs should be protected'- Give reason?
- What are called Piles?
- Define cross breeding.
- Give note on Varicose veins.

**PART-III**

**Note: Answer any 3 of the questions. Question No.19 is compulsory**

**3x3=9**

- Write about heritable type of important connective tissue disorders?
- Write about Obesity? How is degree of obesity assessed?
- Explain the heart's role in secreting a hormone that regulates renal function? What hormone is this?
- Enumerate the role of kidney as an endocrine gland.
- Draw schematic representation of blood coagulation in an injured blood vessel.

**PART-IV**

**Note: Answer all the questions.**

**2x5=10**

- Discuss about the reproductive system of earthworm? (OR)  
Explain the Mechanism of Breathing?
- Describe the Economic importance of fish. (OR)  
Explain the Mechanism of Hearing.

**The best way to take care of the future is to take care of the present moment**