

# ZOOLOGY

2018

Time: 1 Hours 45 Minutes

Marks: 32

## SECTION 'B' (SHORT-ANSWER QUESTIONS)

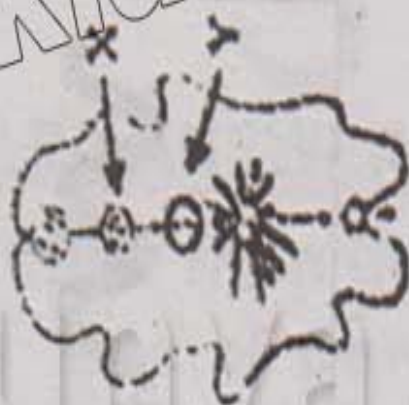
**NOTE:** Answer 10 questions in all. Select five from Reasoning Questions and five from Non-reasoning questions.

### 2.(a) Reasoning Questions:

- (i) Why is butter sold at room temperature but mustard oil is not?
- (ii) Why is *Taenia solium* not digested in the intestine of man?
- (iii) Why can an eagle fly and penguin cannot?
- (iv) Which disease is caused by the impairment of Haemoglobin? Name its two types.
- (v) How does Emphysema increase the residual volume of lung?
- (vi) Why is liver called metabolic factory?
- (vii) How is the activity of enzyme affected by pH and temperature?
- (viii) Why are Amphibians unsuccessfully vertebrates?

### (b) Non-Reasoning Questions:

- (ix) Write any four characters of Enzymes.
- (x) Differentiate between DNA and RNA.
- (xi) Which function is performed at X and Y in the given diagram?



- (xii) Differentiate between Bony fish and Cartilaginous fish.
- (xiii) Write the symptoms of Malaria.
- (xiv) Differentiate between Artery and Vein.
- (xv) What is meant by Polymorphism? Explain with examples.
- (xvi) Define Environmental Biology and Biotechnology.

## SECTION 'C' DETAILED-ANSWER QUESTIONS

**NOTE:** Answer 2 question from this section

3. Describe all the Cardiovascular disorders in man.  
OR What are Amniotes? Write the characters of class Aves and its sub-classes.
4. Describe the salient features of Phylum Arthropoda OR Mollusca. Classify them and write the characters of any three classes with examples.
5. Define Carbohydrates. Describe their types & functions.  
OR Describe the Digestive system of man with labeled diagram.