

ZOOLOGY

2016

Time: 15 Minutes

Max. Marks: 08

SECTION "A" MULTIPLE CHOICE QUESTIONS

1. Choose the correct answer for each from the given options:
- (i) Human sex hormones are classified as:
* Proteins * Triglycerides * Steroids * Carbohydrates
- (ii) Nucleic acid and protein combine to form:
* Glycoprotein * Glycolipid
* Lipoprotein * Nucleoprotein
- (iii) The animal having false body cavity is called:
* Acoelomate * Coelomate
* Pseudocoelomate * Protostomes
- (iv) Alternation of generation is the most important characteristic of:
* Annelids * Coelenterates * Poriferans * Arthropods
- (v) Animals having both male and female reproductive organs are called:
* Unisexual * Hermaphrodite
* Heterophrodite * Prototheria
- (vi) Larva of sponge is called:
* Trochophore * Planula * Amphiblastula * Tadpole
- (vii) Farming of honeybee is called:
* Apiculture * Sericulture * Tissue culture * Agriculture
- (viii) These have complete ventilation:
* Frogs * Reptiles * Birds * Fish
- (ix) Balanoglossus is an example of:
* Urochordata * Hemichordata
* Cephalachordata * Protochordata
- (x) Honeybee has specialized mouth parts for:
* Chewing & biting * Chewing & lapping
* Chewing & siphoning * Chewing & sucking
- (xi) This one is the function of the artery:
* carrying oxygenated blood
* carrying deoxygenated blood
* carrying pure blood
* carrying the blood away from the heart
- (xii) All the representatives of this class of Protozoa are parasitic:
* Sporozoa * Flagellata * Ciliata * Rhizopoda
- (xiii) The excretory organs of Platyhelminthes are:
* Nephrons * Malpighian tubules
* Protonephridia * Metanephridia
- (xiv) The study of fish is called:
* Osteology * Ichthyology
* Ornithology * Hydrobiology
- (xv) Marsupials are:
* Viviparous * Egg-laying mammals
* Placental mammals * Ovoviviparous
- (xvi) The body cavity of grasshopper is known as:
* Shizocoel * Pseudocoel * Coelom * Haemocoel

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Time: 1 Hours 45 Minutes

Marks: 32

SECTION 'B' (SHORT-ANSWER QUESTIONS)

NOTE: Answer 10 questions from this section.

- 2.(i) Write any four functions of Proteins.
(ii) What is Symmetry?
(iii) Write any four characteristics of class Reptilia.
(iv) What adaptation made the Birds capable of flight?
(v) Name the factors which affect the activity of Enzymes.
(vi) Define any two main branches of Biology.
(vii) Write any two Biologically important properties of water.
(viii) Define Diploblastic and Triploblastic organization with examples.
(ix) What is meant by Polymorphism? Explain it with reference to Phylum Cnidaria.
(x) Name the common edible Fishes of Pakistan.
(xi) Write a note on Lung Cancer.
(xii) Write the functions of Human blood.
(xiii) Write a note on Thalassaemia.
(xiv) Define Conjugated molecules & explain any one of them.
(xv) Define Protostomata and Deutrostomata with examples.

SECTION 'C' DETAILED-ANSWER QUESTIONS

NOTE: Answer 2 question from this section(12)

3. Define Immunity. Give an account of Innate **OR** adaptive immune system.
4. Describe the salient features of Phylum Mollusca **OR** Arthropoda. Classify them and write the characteristics of any three classes with examples.
5. Describe the Breathing mechanism in Human being. Explain the transport of CO₂ and O₂.
- OR** Define Digestion. Explain the digestion of proteins and lipids in the Digestive tract of Man.