

ZOOLOGY

2014

Time: 15 Minutes

Max. Marks: 08

SECTION "A" MULTIPLE CHOICE QUESTIONS

1. Choose the correct answer for each from the given options:

- (i) 55% of blood comprises:
* Platelets * Plasma * R.B.Cs. * W.B.Cs.
- (ii) The number of chambers in the heart of fish is:
* Two * Three * Four * Five
- (iii) The body cavity of insects is known as:
* Schizocoel * Pseudocoel * Haemocoel * none of these
- (iv) Its function begins before birth and ceases with death:
* Brain * Heart * Lung * Blood
- (v) The poison of snake is called:
* Fang * Venom * Saliva * None of these
- (vi) This class of protozoa is totally parasitic:
* Flagellata * Sporozoa * Rhizopoda * Ciliata
- (vii) The Excretory Organ of insects is:
* Malpighian tubule * Anterior gland
* Malpighian tubule * Green gland
- (viii) This is the connecting link between birds and reptiles:
* Duck bill * Echidna * Archaeopteryx * Hedgehog
- (ix) Sound-producing organ syrinx found in:
* Mammals * Birds * Reptiles * Amphibians
- (x) T.B. is caused by:
* Allergy * Bacterium * Virus * None of these
- (xi) Study of sea organism is called:
* Microbiology * Parasitology
* Human-Biology * Marine-Biology
- (xii) The largest invertebrate is:
* Sepia * Squid * Octopus * Nautilus
- (xiii) Study of insects is called:
* Ichthyology * Limnology * Entomology * Parasitology
- (xiv) An Animal starts its life as a:
* Morula * Blastula * Zygote * Gastrula
- (xv) Multicellular free swimming larva of Sponge is:
* Tadpole * Tornaria * Amphiblastula * Planula
- (xvi) The total average lung capacity of adult human being is:
* 6000 cm^3 * 7000 cm^3 * 5000 cm^3 * 8000 cm^3

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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 four basic characteristics of Phylum Chordata.
- (ii) Write four differences between Chondrichthyes and Osteichthyes.
- (iii) What do you understand by Ecdysis?
- (iv) What do you understand by Cell Mediated Immunity (C.M.I)?
- (v) Define Bilateral and Radial symmetry with examples.
- (vi) Write four flight adaptations in birds.
- (vii) What is Canal system? Name its different types.
- (viii) What is Parasitism? Define Monogenic and Digenic parasites.
- (ix) Name mouth parts of Insects with examples.
- (x) Write a note on Dipnoi (Lung fish).
- (xi) Write four functions of Liver.
- (xii) What is meant by cloning?
- (xiii) Write the functions of Lymphatic system.
- (xiv) Name the groups of Carbohydrates and write the properties of any one.
- (xv) Write a note on Leukaemia.

SECTION 'C' DETAILED-ANSWER QUESTIONS

NOTE: Answer 2 question from this section(12)

- 3. Define Respiration. Explain the respiratory system of Man with diagrams.
- 4. Describe the salient features of Phylum Mollusca. Classify them and write the characteristics of each class with examples.
- OR Give the general characteristics of class Mammals. Write the characteristics of each sub class with examples.
- 5. Define Digestion. Explain the process of digestion in man with the help of diagram.
- OR What are Enzymes? Give the types of Enzymes. Discuss the factors that affect their activity.