

# ZOOLOGY 2021

(AS PER CONDENSED SYLLABUS)

TIME: 1 Hour 30 Minutes

(40 Marks)

NOTE:

i) This section consists of 20 part questions and all are to be answered. Each question carries ONE mark.

ii) Do not copy the part questions in your answer book. Write only the answer in full against the proper number of the question and its part.

## SECTION 'A' (Multiple Choice Questions) (20)

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

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(i) Choose the correct answer for each from the given options:

\* DNA ✓      \* RNA      \* Chromosome      \* Nucleosome

(ii) Condensation involves:

\* Hydration      \* Dehydration ✓

\* Isomerization      \* Filtration

(iii) The percentage of co-enzyme in an enzyme is about:

\* 50      \* 1 ✓      \* 2      \* 10

(iv) Locomotion in Euglena takes place by:

\* Cilia      \* Pseudopodia      \* Flagella ✓      \* Myonemes

(v) Presence of secondary and tertiary chambers is the characteristic of this system:

\* Ascon      \* Sycon      \* Leucon ✓      \* Simple Sycon

(vi) The phenomenon of alternation of generation is found in this given phylum:

\* Porifera      \* Plathelminthes

\* Cnidaria ✓      \* Arthropoda

(vii) The order of lung fish is:

\* Apoda      \* Dipnoi ✓      \* Myxiniiformes      \* Batodei

(viii) Total number of canine in an adult person is:

\* 4 ✓      \* 8      \* 12      \* 6

(ix) The number of spiracles in cockroach is:

\* 10 pairs ✓      \* 8 pairs      \* 6 pairs      \* 20 pairs

(x) The heart of fish consists of:

\* 2 chambers ✓      \* 3 chambers

\* 4 chambers      \* 1 chamber

(xi) The conduction of impulse from S.A node to the A.V node in the heart requires:

\* 0.5 second      \* 1 second

\* 0.15 second ✓      \* 0.25 second

(xii) This immunity is involved in the treatment of rabies in man:

\* Natural Active Immunity      \* Natural Passive Immunity ✓

\* Artificial Active Immunity      \* Artificial Passive Immunity

(xiii) The coelom of body cavity is formed due to the splitting of:

\* Ectoderm      \* Mesoderm ✓

\* Endoderm      \* Mesoglea

(xiv) The respiratory pigment is absent in:

\* Earth worm      \* Frog      \* Rabbit      \* Cockroach ✓

(xv) This molecule binds to the active site of an enzyme:

\* Allosteric activator      \* Allosteric inhibitor

\* Non-competitive inhibitor      \* Competitive inhibitor ✓

(xvi) Malaria is caused by:

\* Amoeba      \* Bacteria      \* Virus      \* Plasmodium ✓

(xv) This molecule binds to the active site of an enzyme:

\* Allosteric activator      \* Allosteric inhibitor

\* Non-competitive inhibitor      \* Competitive inhibitor ✓

(xvi) Malaria is caused by:

\* Amoeba      \* Bacteria      \* Virus      \* Plasmodium ✓

(xvii) 1.4 pH is best for:

\* Pepsin ✓      \* Ptyalin      \* Amylase      \* Lipase

(xviii) Trypanosoma belongs to:

\* Flagella ✓      \* Sarcodina      \* Ciliata      \* Suetoria

(xix) This is not a fish:

\* Eel fish      \* Cat fish      \* Dog fish      \* Cuttle fish

(xx) The national mammal of Pakistan is:

\* Rabbit      \* Markhor ✓      \* Camel      \* Rhesus Monkey