

# ZOOLOGY 2022

TIME: 2 Hours

(40 Marks)

## SECTION 'A' (Multiple Choice Questions)(18)

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

(i) It is not a way of obtaining heat by organism:

- \* Solar Radiations
- \* Metabolism
- \* Muscle Contraction
- \* Sweating ✓

(ii) The exoskeleton in cockroach is made up of:

- \* Bones
- \* Cartilages
- \* Chitin ✓
- \* Calcium

(iii) Parthenogenesis requires:

- \* one parent ✓
- \* two gametes
- \* two parents
- \* no parent

(iv) Contraction time in human eye muscle is:

- \* 0.001 second
- \* 0.01 second
- \* 0.1 second ✓
- \* 1 second

(v) Cytoplasmic localization is consequence of:

- \* Fertilization
- \* Cleavage
- \* Morula ✓
- \* Blastula

(vi) The approximate number of human genes is:

- \* 10,000 to 15,000
- \* 20,000 to 25,000 ✓
- \* 30,000 to 35,000
- \* 40,000 to 45,000

(vii) Number of tail vertebrae in Archaeopteryx were:

- \* 12 ✓
- \* 15
- \* 18
- \* 20

(viii) Night blindness is due to the deficiency of:

- \* Vitamin K
- \* Vitamin A ✓
- \* Vitamin C
- \* Minerals

(ix) These animals retain urea in their body to maintain hypersonic osmotic pressure:

- \* Mackerel Fish
- \* Sharks and Rays ✓
- \* Trout Fish
- \* Amphibians

(x) It is a bone of pectoral girdle:

- \* Ilium
- \* Ischium
- \* Pubis
- \* Scapula ✓

(xi) Deficiency of this neurotransmitter causes Parkinson's disease:

- \* Dopamine ✓
- \* Acetylcholine
- \* Epinephrine
- \* Nor-Epinephrine

(xii) The end of fertility in human female is called:

- \* Menarch
- \* Menses
- \* Menopause ✓
- \* Ovulation

(xiii) The sympathetic nervous system in humans consists of:

- \* Thoracic and Lumbar Region ✓
- \* Cranial Region
- \* Sacral Region
- \* Thoracic and Sacral Region

(xiv) It is a multifactorial defect:

- \* Asthma ✓
- \* Cystic Fibrosis
- \* Huntington's Disease
- \* Down's Syndrome

(xv) These are postulates of Lamarck's theory of evolution except:

- \* Natural selection ✓
- \* Inheritance of acquired character
- \* Effect of environment
- \* Use and disuse of organ

(xvi) This hormone requires a second messenger.

- \* Testosterone
- \* Insulin ✓
- \* Estrogen
- \* Progesterone

(xvii) The study, of abnormal development is called:

- \* Teratology ✓
- \* Ethology
- \* Gerontology
- \* Genetics

(xviii) Sound higher than this level is called noise.

- \* 80 decibels ✓
- \* 30 decibels
- \* 10 decibels
- \* 50 decibels