

## Sample Questions

T.Y.B.Sc. Zoology /Sem.VI

### Zoology Paper I – Taxonomy of Chordates and Type Study

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- 1) All chordates are \_\_\_\_\_ symmetrical.
  - A) Radially
  - B) Bilaterally
  - C) Asymmetrically
  - D) Pentaradially
  
- 2) Chordates have true coelom which is completely lined by \_\_\_\_\_.
  - A) Mesoderm
  - B) Endoderm
  - C) Ectoderm
  - D) Periderm
  
- 3) Acrania includes animals of low organization that is absence of \_\_\_\_\_ jaws, vertebral column and paired appendages.
  - A) Legs
  - B) Hair
  - C) Hands
  - D) Cranium
  
- 4) The urochordates are also known as \_\_\_\_\_.
  - A) Tunicates
  - B) Silicates
  - C) Worms
  - D) Round worms
  
- 5) \_\_\_\_\_ is commonly called as sea squirts.
  - A) Herdmania
  - B) Ciona
  - C) Molgula
  - D) Ascidia

- 6) Salpa is belonging to class \_\_\_\_\_.
- A) Larvacea
  - B) Ascidiacea
  - C) Thaliacea
  - D) Pisces
- 7) \_\_\_\_\_ is having persistent notochord extended up to the tip of snout.
- A) Urochordata
  - B) Cephalochordata
  - C) Invertebrata
  - D) Ave
- 8) \_\_\_\_\_ are higher chordates having prominent head and cranium.
- A) Urochordates
  - B) Cephalochordates
  - C) Euchordates
  - D) Invertebrates
- 9) The endoskeleton of euchordates is made up of \_\_\_\_\_.
- A) Only cartilage
  - B) Only bone
  - C) Cartilage and bone
  - D) Fibrous cartilage
- 10) The digestive system of vertebrates is situated \_\_\_\_\_ to the vertebral column.
- A) Ventral
  - B) Dorsal
  - C) Lateral
  - D) Inner
- 11) Division agnatha includes the extinct \_\_\_\_\_.
- A) Cyclostomes
  - B) Pisces
  - C) Ostracoderms

D) Aves

12) Gnathostomes was earlier known as \_\_\_\_\_ vertebrates.

- A) Jawless
- B) Jawed
- C) True
- D) Scaly

13) Ostracoderms was recognized due to presence of \_\_\_\_\_ on their body.

- A) Jaws
- B) Skull
- C) Dermal scales
- D) Appendages

14) \_\_\_\_\_ is commonly called as lamprey.

- A) Shark
- B) Branchiostoma
- C) Salpa
- D) Petromyzon

15) Chordates have \_\_\_\_\_ body wall.

- A) Triploblastic
- B) Diploblastic
- C) Meroblastic
- D) Dermal

16) The hepatic portal vein and its branches collect blood from digestive tract and \_\_\_\_\_.

- A) Brain
- B) Limbs
- C) Liver
- D) Heart

- 17) \_\_\_\_\_ is a groove in the ventral wall of the pharynx.
- A) Endostyle
  - B) Exostyle
  - C) Diaphragm
  - D) Dorsal
- 18) All chordates are \_\_\_\_\_ which means during embryonic development, the anus is formed before the mouth.
- A) Dueterostomes
  - B) Cyclostomes
  - C) Ostracoderms
  - D) Vertebrates
- 19) Chordates are a group of animals having flexible supporting rod-like structure called \_\_\_\_\_.
- A) Notochord
  - B) Vertebral column
  - C) Skull
  - D) Cranium
- 20) Subphylum Urochordata and Cephalochordata are collectively known as \_\_\_\_\_.
- A) Euchordata
  - B) Protochordata
  - C) Vertebrata
  - D) Lancelets
- 21) \_\_\_\_\_ are the animals having circular mouth.
- A) Urochordates
  - B) Cephalochordates
  - C) Cyclostomates
  - D) Vertebrates

- 22) The word “Pisces” is a latin word meaning \_\_\_\_\_.
- A) Bird
  - B) Monkey
  - C) Fish
  - D) Crab
- 23) Class \_\_\_\_\_ includes extinct fishes.
- A) Protochordata
  - B) Vertebrata
  - C) Cyclostomata
  - D) Placodermi
- 24) \_\_\_\_\_ is an extinct genus of spiny shark.
- A) Climatius
  - B) Hammer Headed Shark
  - C) Salpa
  - D) Chelonia
- 25) In chondrichthyes epidermis is covered by \_\_\_\_\_ scales
- A) Cycloid
  - B) Placoid
  - C) Ctenoid
  - D) Cosmoid
- 26) Rhinobatus is commonly called as \_\_\_\_\_ fish.
- A) Black
  - B) Guitar
  - C) Hammer
  - D) Silver
- 27) Fishes belonging to sarcoptreygii bear \_\_\_\_\_ fins.
- A) Rigid
  - B) Fleshy
  - C) Rayed
  - D) Tough

- 28) \_\_\_\_\_ is the lung fishes that possess a pair of gills and lungs.
- A) Cartilaginous
  - B) Bony
  - C) Dipnoi
  - D) Placodermi
- 29) Excretory system in lungfishes has a \_\_\_\_\_.
- A) Gills
  - B) A pair of kidneys
  - C) Mesonephron
  - D) Lungs
- 30) \_\_\_\_\_ are the limbed vertebrates.
- A) Tetrapod
  - B) Dipnoi
  - C) Elasmobranch
  - D) Teleost
- 31) Amphibians possess moist skin containing \_\_\_\_\_ gland.
- A) Mucous
  - B) Pituitary
  - C) Thyroid
  - D) Adrenal
- 32) Caecilians are \_\_\_\_\_ amphibians.
- A) Moist
  - B) Limbed
  - C) Limbless
  - D) Bony
- 33) Genus \_\_\_\_\_ includes aquatic salamanders of the United States.
- A) Caecilian
  - B) Ichthyophis
  - C) Amphiuma
  - D) Chelonia

- 34) Frogs are having lateral brown strip present from \_\_\_\_\_ to \_\_\_\_\_.
- A) Groin to eye
  - B) Limbs to eye
  - C) Mouth to eye
  - D) Lungs to eye
- 35) The species of tree frogs belongs to the family \_\_\_\_\_.
- A) Papilionidae
  - B) Hesperidae
  - C) Nymphalidae
  - D) Hylidae
- 36) In amphibian the heart is \_\_\_\_\_ chambered.
- A) 3
  - B) 4
  - C) 2
  - D) 13
- 37) The osteichthyes are characterized with spongy endochondral bone in the \_\_\_\_\_.
- A) Exoskeleton
  - B) Muscles
  - C) Heart
  - D) Endoskeleton
- 38) Dermal armor is a characteristics feature of \_\_\_\_\_ organisms
- A) Cyclostome
  - B) Ostracoderm
  - C) Placoderm
  - D) Aves

39) Gnathostoma area animals having mouth bounded by \_\_\_\_\_.

- A) Lips
- B) Jaws
- C) Head
- D) Teeth

40) On the presence of cranium \_\_\_\_\_ is divided into craniata and acraniata.

- A) Hemichordata
- B) Chordata
- C) Cephalochordata
- D) Urochordata

41) \_\_\_\_\_ were the first terrestrial vertebrate organisms to be evolved.

- A) Protozoan
- B) Reptiles
- C) Amphibians
- D) Aves

42) Reptiles are evolved from \_\_\_\_\_ ancestor.

- A) Amphibian
- B) Protozoan
- C) Aves
- D) Pisces

43) Mass extinction of dinosaurs occurred in \_\_\_\_\_ era.

- A) Mesozoic
- B) Cenozoic
- C) Cretaceous
- D) Jurassic



- 44) Reptiles are \_\_\_\_\_ symmetrical.
- A) Radially
  - B) Bilaterally
  - C) Pentaradially
  - D) Asymmetrically
- 45) Reptiles bear \_\_\_\_\_ organ present in the roof of mouth.
- A) Jacobson's
  - B) Touch
  - C) Synthetic
  - D) Neuromast
- 46) \_\_\_\_\_ is the organ of smelling in reptiles.
- A) Tongue
  - B) Nostrils
  - C) Jacobson's organ
  - D) Lateral Line
- 47) Birds are rightly defined by DR. Salim Ali as \_\_\_\_\_.
- A) Wing jewels
  - B) Feathered bipeds
  - C) Beautiful creature
  - D) Colorful creature
- 48) Beaks of birds are modified according to the \_\_\_\_\_.
- A) Coloration
  - B) Body size
  - C) Body shape
  - D) Feeding habits
- 49) Subclass \_\_\_\_\_ includes all extinct birds.
- A) Archaeornithes
  - B) Neornithes
  - C) Placodermi
  - D) Ostracodermii

- 50) \_\_\_\_\_ is excellent divers.
- A) Crow
  - B) Sparrow
  - C) Sunbird
  - D) Cormorant
- 51) \_\_\_\_\_ is an insect eating mammal
- A) Common Shrew
  - B) Sloth
  - C) Kangaroo
  - D) Duck billed Platypus
- 52) The word mammal means the presence of \_\_\_\_\_
- A) Head
  - B) Mammary gland
  - C) External pinna
  - D) Hairs
- 53) \_\_\_\_\_ bird inhabits various grasslands including savannas and deserts.
- A) Crow
  - B) Emu
  - C) Sparrow
  - D) Humming
- 54) Genus \_\_\_\_\_ generally refers to a jungle fowl.
- A) Gallus
  - B) Melanerpes
  - C) Pelacrocorax
  - D) Ardeola
- 55) Respiratory system of aves consists of pair of compact spongy lungs continuous with thin walled accessory \_\_\_\_\_
- A) Buccopharyngeal cavities
  - B) Gills
  - C) Skin
  - D) Air sacs
- 56) \_\_\_\_\_ is commonly known as green or sea turtle
- A) Chelonia
  - B) Melanerpes
  - C) Pelacrocorax
  - D) Ardeola

57) \_\_\_\_\_ was a giant marine reptile that resembled dolphin with large teeth.

- A) Ichthyosaurus
- B) Melanerpes
- C) Pelacrocorax
- D) Ardeola

58) Skin of reptile is dry and devoid of \_\_\_\_\_.

- A) Hair
- B) Gland
- C) Furs
- D) Dermis

59) \_\_\_\_\_ is the masticating organ in the digestive system of the birds

- A) Gizzard
- B) Crop
- C) Mouth
- D) Teeth

60) Overall \_\_\_\_\_ species of sharks are noted in the Indian Ocean.

- 1) 18
- 2) 19
- 3) 20
- 4) 21

61) Shark is one of the marine carnivorous species of \_\_\_\_\_ fish

- 1) Cartilaginous
- 2) Bony
- 3) Teleost
- 4) Osteichthyes

63) Shark is specifically known as \_\_\_\_\_ fish due to its tremendous capacity of smelling.

- 1) Ray
- 1) 2 Bony
- 2) Cat
- 3) Dog

- 64) Shark belongs to subphylum \_\_\_\_\_.
- 1) Vertebrata
  - 2) Cephalochordata
  - 3) Urochordata
  - 4) Hemichordata
- 65) Being a fish, shark possess \_\_\_\_\_ chambered heart.
- A) 2
  - B) 3
  - C) 4
  - D) 5
- 66) Spines of shark are made up of \_\_\_\_\_ material.
- A) Dentine
  - B) Muscles
  - C) Dermis
  - D) Calcium carbonate
- 67) Scoliodon bears exclusively \_\_\_\_\_ endoskeleton
- A) Bony
  - B) Cartilaginous
  - C) Mixed
  - D) Scaly
- 68) Anterior region of the skull of the shark is known as \_\_\_\_\_.
- A) Ethmoidal region
  - B) Cranial region
  - C) Olfactory region
  - D) Occipital region
- 69) The dorsal part of the each of the pectoral girdle shows a thick and rod like structure known as \_\_\_\_\_
- A) Scapula
  - B) Clavicle
  - C) Humerus
  - D) Ulna

70) In male Scoliodon the copulatory structure \_\_\_\_\_ are present on the pelvic girdle.

- A) Penis
- B) Testes
- C) Claspers
- D) Vasa differentia

71) Anterior part of the stomach of the shark is known as \_\_\_\_\_

- A) Cardiac
- B) Pyloric
- C) Pulmonary
- D) Thoracic

72) \_\_\_\_\_ is the common final chamber opening of the rectum and urinogenital system of the shark.

- A) Anus
- B) Cloaca
- C) Rectum
- D) Ileum

73) When a branchial arche bears two sets of gill lamellae is it known as \_\_\_\_\_

- A) Incomplete gill
- B) Holobranch
- C) Heterobranch
- D) Respiratory surface

74) During expiration the mouth of the shark is closed by \_\_\_\_\_ muscles.

- A) Adductor
- B) Abductor
- C) Cardiac
- D) Pulmonary

75) Scoliodon bears \_\_\_\_\_ type of blood circulatory system.

- A) Closed
- B) Open
- C) Bronchial
- D) Capillary

76) \_\_\_\_\_ branches are those which run towards the gills from the heart.

- A) Efferent
- B) Afferent
- C) Cardiac
- D) Pulmonary

78) \_\_\_\_\_ nerves are the nerves arising from the brain.

- A) Spinal
- B) Cranial
- C) Pulmonary
- D) Cephalic

79) Internal ear of shark is also known as \_\_\_\_\_

- A) Auditory organ
- B) Hearing organ
- C) Stato acoustic organ
- D) Smelling organ

80) \_\_\_\_\_ is also known as current receptors.

- A) Stato acoustic organ
- B) Neuromast organ
- C) Auditory organ
- D) Smelling organ

81) \_\_\_\_\_ is the thermoreceptors of the shark.

- A) Stato acoustic organ
- B) Ampullae of Lorenzini
- C) Skin
- D) Auditory organ

82) The egg of the Scoliodon is \_\_\_\_\_

- A) Telolecithal
- B) Hololecithal
- C) Mesolecithal
- D) Megalecithal