

# QB365 Question Bank Software Study Materials

## Bio - Zoology - Organ and Organ Systems in Animals 50 Important 1 Marks Questions With Answers (Book Back and Creative)

11th Standard

Biology

Total Marks : 50

### Multiple Choice Question

50 x 1 = 50

- 1) The clitellum is a distinct part in the body of earthworm *Lampito mauritii*, it is found in?  
(a) Segments 13 - 14    **(b) Segments 14 - 17**    (c) Segments 12 - 13    (d) Segments 14 - 16
- 2) Sexually, earthworms are \_\_\_\_\_.  
(a) Sexes are separate    **(b) Hermaphroditic but not self - fertilizing**    (c) Hermaphroditic and self - fertilizing  
(d) Parthenogenic
- 3) The head region of Cockroach \_\_\_\_\_ pairs of \_\_\_\_\_ and shaped eyes occur.  
**(a) One pair, sessile compound and kidney shaped**    (b) Two pairs, stalked compound and round shaped  
(c) Many pairs, sessile simple and kidney shaped    (d) Many pairs, stalked compound and kidney shaped
- 4) The location and numbers of malpighian tubules in *Periplaneta*.  
**(a) At the junction of midgut and hindgut, about 150.**    (b) At the junction of foregut and midgut, about 150  
(c) Surrounding gizzard, eight.    (d) At the junction of colon and rectum, eight.
- 5) The type of vision in Cockroach is \_\_\_\_\_.  
(a) Three dimensional    (b) Two dimensional    **(c) Mosaic**    (d) Cockroach do not have vision
- 6) How many abdominal segments are present in male and female Cockroaches?  
**(a) 10, 10**    (b) 9, 10    (c) 8, 10    (d) 9,9
- 7) Which of the following have an open circulatory system?  
(a) Frog    (b) Earthworm    (c) Pigeon    **(d) Cockroach**
- 8) Buccopharyngeal respiration in frog \_\_\_\_\_.  
(a) is increased when nostrils are closed    (b) Stops when there is pulmonary respiration  
(c) is increased when it is catching fly    **(d) stops when mouth is opened.**
- 9) Kidney of frog is \_\_\_\_\_.  
(a) Archinephros    (b) Pronephros    **(c) Mesonephros**    (d) Metanephros
- 10) Presence of gills in the tadpole of frog indicates that \_\_\_\_\_.  
(a) fishes were amphibious in the past    **(b) fishes evolved from frog -like ancestors**    (c) frogs will have gills in future  
(d) frogs evolved from gilled ancestor
- 11) Choose the wrong statement among the following :  
(a) In earthworm, a single male genital pore is present.    (b) Setae help in locomotion of earthworms.  
**(c) Muscular layer in the body wall of earthworm is made up of circular muscles only**  
(d) Typhlosole is part of the intestine of earthworm
- 12) Which of the following are the sense organs of Cockroach?

- (a) **Antennae, compound eyes, maxillary palps, anal cerci** (b) Antennae, compound eye, maxillary palps and tegmina  
 (c) Antennae, ommatidia, maxillary palps, sternum and anal style  
 (d) Antennae, eyes, maxillary palps, and tarsus of walking legs and coxa
- 13) State whether the statement is true or false  
 To sustain themselves, earthworms must guide their way through the soil using their powerful muscles. They gather nutrients by ingesting organic matter and soil, absorbing what they need into their bodies. The two ends of the earthworm can equally ingest soil.  
 (a) True (b) **False**
- 14) Blood glands are seen in \_\_\_\_\_  
 (a) **Earthworm** (b) Cockroach (c) Frog (d) None of the above
- 15) The \_\_\_\_\_ is the tongue of cockroach.  
 (a) labrum (b) labium (c) **hypopharynx** (d) maxilla
- 16) Choose the wrong statement.  
 (a) Cockroaches are one of the fastest moving land insects. (b) Anal cerci are seen in male and female cockroaches.  
 (c) **The abdomen of female cockroach consists of 9 segments.** (d) The upper lip of cockroach is called labrum
- 17) The number of hepatic caecae in a cockroach is \_\_\_\_\_  
 (a) 6 (b) **8** (c) 10 (d) 12
- 18) The excretion in cockroach is said to be \_\_\_\_\_  
 (a) Ammonotelic (b) Ureotelic (c) **Uricotelic** (d) None of the above
- 19) Toads differ from frogs in having \_\_\_\_\_  
 A. teeth  
 B. webbed feet  
 C. laying eggs  
 D. hind limbs  
 (a) **A and B** (b) B and C (c) A and D (d) A and C
- 20) In earthworm the female genital aperture lies on the ventral side in the \_\_\_\_\_ segment.  
 (a) 15th (b) **14th** (c) 10th (d) 12th
- 21) The sternum of \_\_\_\_\_ segment is boat shaped in female cockroach.  
 (a) 8<sup>th</sup> (b) 6<sup>th</sup> (c) 10<sup>th</sup> (d) **7<sup>th</sup>**
- 22) \_\_\_\_\_ is not found in female cockroach.  
 (a) Colleterial gland (b) Gonapophyses (c) Spermathecae (d) **Conglobate gland**
- 23) The muscle fold found in the dorsal wall in the intestine of the earthworm is \_\_\_\_\_  
 (a) Diaphragm (b) **Typhlosole** (c) Myotome (d) Ommatidium
- 24) The triangular muscles of cockroaches responsible for blood circulation is \_\_\_\_\_  
 (a) Sphincter muscles (b) Pulsatile vesicle (c) **Alary muscles** (d) Smooth muscles.
- 25) The egg case of cockroach is called \_\_\_\_\_  
 (a) Collateral glands (b) spermathecae (c) vagina (d) **Ootheca**
- 26) Frogs are \_\_\_\_\_  
 (a) **Ureotelic** (b) Uricotelic (c) Ammoniotelic (d) Dwellers

- 27) The body setae of earthworms are concerned with \_\_\_\_\_  
**(a) sensory function** (b) protection (c) excretion (d) locomotion
- 28) Which of the following is right?  
 (a) Anal styles are present only in male cockroach. (b) Anal styles are present in both male and female cockroaches  
**(c) Anal cerei are present in male cockroach only** (d) Anal cerei are present in female cockroach only
- 29) Which is responsible for circulation of blood in cockroach?  
 (a) spiracular muscles **(b) alary muscles** (c) haemocytes (d) ostia
- 30) The secretion of colleterial glands in cockroach is to produce \_\_\_\_\_  
 (a) ova (b) sperms (c) pigments **(d) oothoea**
- 31) Which of the following help in the digestion of earthworms?  
**(a) Chromophil cell** (b) Chlorocogen cells (c) Eleocytes (d) All the above
- 32) Earthworms mostly digest \_\_\_\_\_.  
**(a) Carbohydrates** (b) Proteins (c) Fats (d) Proteins and fats
- 33) Which of the following statements is incorrect?  
 (a) Lumbricine is American earthworm (b) Megascoclex is south Indian earthworm  
 (c) Phretima is North Indian earthworm **(d) All earthworms show perichetae arrangement of setae**
- 34) In earthworm ingestion is performed by \_\_\_\_\_?  
**(a) prostomium** (b) peristomium (c) crop (d) oesophagus and gizzard
- 35) How many fused segments construct the head of cockroach?  
 (a) 4 (b) 5 **(c) 6** (d) 7
- 36) Tergites and sternites of cockroach are laterally joined with \_\_\_\_\_.  
 (a) Arthroidal membrane (b) Exoskeleton **(c) Pleurites** (d) Bodywall
- 37) The proximal and distal segments of leg of cockroach are respectively \_\_\_\_\_.  
 (a) Tarsus and coxa (b) Coxa and tibia **(c) Coxa and tarsus** (d) Coxa and femur
- 38) The period of appearance of cockroaches is \_\_\_\_\_.  
 (a) Devonian **(b) Carboniferous** (c) Paleozoic (d) Permian
- 39) In cockroach the malpighian tubules occur at the junction of \_\_\_\_\_.  
 (a) Foregut and midgut (b) Crop and gizzard **(c) Midgut and hindgut** (d) Crop and oesophagus
- 40) In cockroach how many spiracles are found in thorax and abdomen respectively?  
**(a) 2,8** (b) 8,2 (c) 6,4 (d) 2,8
- 41) The haemolymph of cockroach does not contain \_\_\_\_\_.  
**(a) Haemoglobin** (b) Plasma (c) Haemocytes (d) Water
- 42) In cockroach the smallest sinus of the schizocoel is \_\_\_\_\_.  
**(a) Head sinus** (b) Pericardial sinus (c) Perineural sinus (d) Perivisceral sinus
- 43) When a cockroach tries to enter into the ear of a sleeping person, which one of the following process will start?

- (a) Stimulation of negative feedback mechanisms (b) Neuro muscular fatigue **(c) Unconditioned reflex**  
(d) Conditioned reflex
- 44) Body of the frog is streamlined \_\_\_\_\_.  
(a) Dorso - ventrally (b) Ventro - dorsally **(c) Antero - posteriorly** (d) Postero - anteriorly
- 45) An important characteristic that Hemichordates share with chordates is  
**(a) Ventral tubular nerve cord** (b) Pharynx with gill slits (c) Pharynx without gill slits (d) Absence of notochord
- 46) The correct order of podomeres in the walking leg of cockroach is  
**(a) Coxa → Trochanter → Femur →Tibia → Tarsus** (b) Coxa → Femur → Trochanter →Tibia → Tarsus  
(c) Coxa → Tibia →Trochanter → Femur → Tarsus (d) Coxa → Tarsus →Tibia → Trochanter → Femur
- 47) Which is absent in coelomic fluid of earthworm  
(a) Proteins (b) Corpuscles **(c) Haemoglobin** (d) Salts
- 48) What type of mouth parts are found in cockroach?  
**(a) Biting and chewing** (b) Sponging and sucking (c) Siphoning and sucking (d) Piercing and chewing
- 49) The boat shaped sternum is and it is found in 1 cockroach  
**(a) 7<sup>th</sup>, female** (b) 7<sup>th</sup>, male (c) 9<sup>th</sup>, female (d) 9<sup>th</sup>, male
- 50) Which of the following is unmatched?  
(a) Antennae - Thigmo receptors (b) Maxillary palps and labium - Gustatory receptors  
**(c) Labial palps and labium - Thermo receptors** (d) Anal cerci - Chordotonal or auditory