

# QB365 Question Bank Software Study Materials

## Bio - Zoology - Locomotion and Movement 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) Muscles are derived from \_\_\_\_\_.  
(a) ectoderm    **(b) mesoderm**    (c) endoderm    (d) neuro ectoderm
- 2) Muscles are formed by \_\_\_\_\_.  
**(a) myocytes**    (b) leucocytes    (c) osteocytes    (d) lymphocytes
- 3) The muscles attached to the bones are called \_\_\_\_\_.  
**(a) skeletal muscle**    (b) cardiac muscle    (c) involuntary muscle    (d) smooth muscles
- 4) Skeletal muscles are attached to the bones by \_\_\_\_\_.  
**(a) tendon**    (b) ligament    (c) pectin    (d) fibrin
- 5) The bundle of muscle fibres is called \_\_\_\_\_.  
(a) Myofibrils    **(b) fascicle**    (c) sarcomere    (d) sarcoplasm
- 6) The pigment present in the muscle fibre to store oxygen is \_\_\_\_\_.  
**(a) myoglobin**    (b) troponin    (c) myosin    (d) actin
- 7) The functional unit of a muscle fibre is \_\_\_\_\_.  
**(a) sarcomere**    (b) sarcoplasm    (c) myosin    (d) actin
- 8) The protein present in the thick filament is \_\_\_\_\_.  
**(a) myosin**    (b) actin    (c) pectin    (d) leucin
- 9) The protein present in the thin filament is \_\_\_\_\_.  
(a) myosin    **(b) actin**    (c) pectin    (d) leucin
- 10) The region between two successive Z-discs is called a \_\_\_\_\_.  
**(a) sarcomere**    (b) microtubule    (c) myoglobin    (d) actin
- 11) Each skeletal muscle is covered by \_\_\_\_\_.  
**(a) epimysium**    (b) perimysium    (c) endomysium    (d) hypomysium
- 12) Knee joint is an example of \_\_\_\_\_.  
(a) saddle joint    **(b) hinge joint**    (c) pivot joint    (d) gliding joint
- 13) Name of the joint present between the atlas and axis is \_\_\_\_\_.  
(a) synovial joint    **(b) pivot joint**    (c) saddle joint    (d) hinge joint
- 14) ATPase enzyme needed for muscle contraction is located in \_\_\_\_\_.  
(a) actinin    (b) troponin    **(c) myosin**    (d) actin

- 15) Synovial fluid is found in \_\_\_\_\_.  
 (a) Ventricles of the brain (b) Spinal cord (c) Immovable joint **(d) Freely movable joints**
- 16) Inflammation of joints due to accumulation of uric acid crystals is called as \_\_\_\_\_.  
**(a) Gout** (b) Myasthenia gravis (c) Osteoporosis (d) Osteomalacia
- 17) Acetabulum is located in \_\_\_\_\_.  
 (a) collar bone **(b) hip bone** (c) shoulder bone (d) thigh bone
- 18) Appendicular skeleton is \_\_\_\_\_.  
**(a) girdles and their limbs** (b) vertebrae (c) skull and vertebral column (d) ribs and sternum
- 19) The type of movement exhibits by the macrophages are \_\_\_\_\_.  
 (a) flagellar (b) ciliary (c) muscular **(d) amoeboid**
- 20) The pointed portion of the elbow is \_\_\_\_\_.  
 (a) acromion process (b) glenoid cavity **(c) olecranon process** (d) symphysis
- 21) SMGA is a measure to test \_\_\_\_\_.  
 (a) Starch of muscles **(b) Protein of muscles.** (c) Glycogen of muscles (d) Fat of muscles
- 22) \_\_\_\_\_ is a unpaired bone.  
 (a) Maxilla (b) Palatine **(c) Vomer** (d) Zygomatic
- 23) Pivot joint is also called \_\_\_\_\_.  
 (a) saddle joint (b) ellipsoidal joint (c) plane joint **(d) swivel joint**
- 24) The capacity of cranium is \_\_\_\_\_.  
 (a) 1200cm<sup>3</sup> (b) 1300cm<sup>3</sup> **(c) 1400cm<sup>3</sup>** (d) 1500cm<sup>3</sup>
- 25) The facial bones are \_\_\_\_\_ in number.  
**(a) 14** (b) 12 (c) 18 (d) 8
- 26) Eleventh and twelfth pairs of ribs are called as \_\_\_\_\_.  
**(a) < div >floating ribs**  
 < /div > (b) < div >>false ribs< /div > (c) true ribs (d) connective ribs
- 27) Amoeboid movements are noticed in \_\_\_\_\_.  
 (a) Hands, legs, jaws and tongue **(b) Macrophages** (c) Sperm (d) Trachea, vas deferens and fallopian tubes
- 28) The muscular movements occur in \_\_\_\_\_.  
 (a) Macrophages **(b) Hands, legs, jaws and tongue** (c) Sperm (d) Trachea, vas deferens and fallopian tubules
- 29) Involuntary activities of the body are controlled by \_\_\_\_\_.  
 (a) Visceral muscles (b) Smooth muscles (c) Cardiac muscles **(d) a & b**
- 30) Both striated and unstriated muscular properties are found in \_\_\_\_\_.  
 (a) Skeletal muscles (b) Smooth muscles (c) visceral muscles **(d) cardiac muscles**
- 31) ATP are enzyme is found in \_\_\_\_\_.  
 (a) Troponin (b) Myoglobin **(c) Meromyosin** (d) Myosin
- 32) In the muscle contraction calcium ions are released from \_\_\_\_\_.

- (a) Sarcoplasm    **(b) Sarcoplasmic reticulum**    (c) Sarcosomes    (d) Sarcomeres
- 33) Holding a heavy bag is an example of \_\_\_\_\_.
- (a) Metric muscular contraction    **(b) Isometric muscular contraction**    (c) Anisometric muscular contraction  
(d) Isotonic muscular contraction
- 34) The white muscle fibres are \_\_\_\_\_.
- (a) Glycolytic fibres**    (b) Red muscular fibres    (c) Oxidative fibres    (d) a or c fibres
- 35) Which of the following fibres are formed at higher proportion distance of long-distance runners?
- (a) Slow - oxidative fibre**    (b) Moderate oxidative fibres    (c) Fast- glycolytic fibres    (d) Fast -oxidative fibres
- 36) Earthworm has \_\_\_\_\_
- (a) Endoskeleton    **(b) Hydrostatic skeleton**    (c) Exoskeleton    (d) Skeleton with shell
- 37) How many bones are there in the upper limb?
- (a) 20    **(b) 30**    (c) 40    (d) 50
- 38) How many joints are there in phalanges of each hand?
- (a) 12    **(b) 14**    (c) 16    (d) 18
- 39) The knee cap is formed by \_\_\_\_\_.
- (a) Patatine    **(b) patella**    (c) Acetabulum    (d) Ligament
- 40) Bone and muscle are connected by \_\_\_\_\_.
- (a) Tendon**    (b) Ligament    (c) Synovial membrane    (d) Areolar tissue
- 41) Fibrous joints are found in \_\_\_\_\_.
- (a) Skull bones**    (b) Joints of adjacent vertebrae    (c) Between the atlas and axis    (d) Between the carpals
- 42) Deficiency of parathormone hormone leads in \_\_\_\_\_.
- (a) Tetany**    (b) Atrophy    (c) Muscular dystrophy    (d) Muscle pull
- 43) The inflammation occurs in synovial membranes and also joints are filled with fluid in \_\_\_\_\_.
- (a) Arthritis    (b) Osteoarthritis    (c) Rheumatoid arthritis    **(d) Gouty arthritis**
- 44) Muscle fatigue occurs due to \_\_\_\_\_.
- (a) Lack of ATP    (b) Lack of glucose    (c) Lack of O<sub>2</sub>    **(d) All the above**
- 45) Ratio of which is more in red muscle?
- (a) Myoglobin**    (b) Actin    (c) Myosin    (d) Albumin
- 46) The number of pairs of ribs found in human is
- (a) 12**    (b) 26    (c) 206    (d) 7
- 47) The collar bone is
- (a) scapula    (b) coracoid    **(c) clavicle**    (d) ilium
- 48) Knee joint is otherwise called as
- (a) hinge joint**    (b) pivot joint    (c) saddle joint    (d) gliding joint
- 49) \_\_\_\_\_ is an autoimmune disease.

(a) AIDS    **(b) Myasthenia gravis**    (c) Gout    (d) Syphilis

50) The H-zone in the skeletal muscle fibre is due to

(a) The central gap between myosin filaments in the A band.

**(b) The central gap between actin filaments extending through myosin filaments in the A band.**

(c) Extension of myosin filaments in the central portion of A band.

(d) The absence of myofibrils in the central portion of A band.