LOCOMOTION AND MOVEMENT

1. Which joint is present between atlas and axis :

(1) Saddle joint (2) Gliding joint

(3) Pivot joint (4) Hinge joint

2. Cartilaginous joint is found :

(1) Between skull bones

(2) Between the carpals

(3) Between the adjacent vertebrae

(4) Between humerus and petctorial girdle

3. Acromian process is a part of :

(1) Clavicle bone (2) Coxal bone

(3) Humerus bone (4) Scapula bone

4. Which statement is not correct :

(1) The number of cervical vertebrae are seven in almost all mammals.

(2) Number of floating ribs in human are two pairs.

(3) Number of cranial bones in human are 22.

(4) Number of vertebrochondral ribs in human are 3 pairs.

5. Correctly match list-1 with list-2

List-1	List-2
(A) Collar bone	(i) Pectoral girdle
(B) Glenoid cavity	(ii) Pelvic girdle
(C) Acetabulum	(iii) Patella
(D) Knee cap	(iv) Clavicle

(1) A-(i), B-(iv), C-(iii), D-(ii)

(2) A-(i), B-(ii), C-(iii), D-(iv)

(3) A-(iv), B-(i), C-(ii), D-(iii)

(4) A-(iv), B-(ii), C-(i), D-(iii)

6. Rib cage is formed by :

(1) Pectorial girdle, ribs and sternum

(2) Thoracic vertebrae, ribs and sternum

(3) Lumbar vertebrae, ribs and strenum

(4) Fore limb, pectorial girdle and sternum

7. In which the following bones are the example of flat bone :

(A) Skull bones (B) Vertebrae

(C) Sternum (D) Ribs

(E) Carpals

(1) A, B, C (2) A, C, D

(3) B, D, E (4) B, C, E

8. Which is correctly matched :

(1) Fibrous joint - between the adjacent vertebrae

(2) Hinge joint - between atlas and axis

(3) Cartilaginous joint - pubic symphysis

(4) Pivot joint - between the carpals

9. Correctly match list-1 with list-2

List-1	List-2
(A) Cranial bones	(i) 5
(B) Facial bones	(ii) 6
(C) Axial skeleton	(iii) 7
(D) Vertebrochondral ribs	(iv) 8
(E) Lumbar vertebrae	(v) 14
(F) Ankle bones	(vi) 80

(1) A-(i), B-(ii), C-(iii), D-(vi), E-(v), F-(vi)

(2) A-(iv), B-(v), C-(vi), D-(iii), E-(i), F-(ii)

(3) A-(v), B-(iv), C-(vi), D-(ii), E-(i), F-(iii)

(4) A-(iv), B-(v), C-(vi), D-(ii), E-(i), F-(iii)

10. Which statement is not correct about osteoporosis?

(1) In this bone mass decreased

(2) It is age related disorder

(3) Increased levels of estrogen is a common cause of it.

(4) In this chances of fractures increased.

11. The portion of the myofibril between two successive "Z" line is considered as :-

(1) H-zone (2) Sarcomere

(3) A-band (4) Sarcoplasmic reticulum

12. Which of the following can be taken as a character of skeletal muscle fibre?

(1) Excitability (2) Extensibility

(3) Contractibility (4) All of these

13. Which points are incorrect with the regarding of white muscle fibres.

(A) Number of mitochondria are high

(B) Amount of sarcoplasmic reticulum is low

(C) Myoglobin content is low

(D) Depend on anaerobic process for energy

(E) Appear pale or whitish.

(1) A, B (2) C, D

(3) D, E (4) B, C

14. The muscle fatigue occurs due to accumulation of:

(1) Ca^{++}

(2) CO_2

(3) Lactic acid

(4) Creatine phosphate

15. Which one is not the character of red skeletal muscle?

(1) More mitochondria

(2) More myoglobin

(3) More sarcoplasmic reticulum

(4) More blood capillaries

16. The functional unit of contraction of muscle is :

(1) Muscle fibre

(2) Sarcomere

(3) Fasiculi

(4) Actin and myosin filament

17. Which is not correctly matched ?

(1) Muscular movement - in Jaw, limbs

(2) Ciliary movement - in Fallopian tube

(3) Amoeboid movement - in macrophages, leucocytes

(4) Flagellated movement - in trachea

18. Find out correct points with the regarding of cardiac muscle.

(A) These are unstriated

(B) These are involuntary

(C) These are branched

(D) They have more mitochondria

(E) They have less blood supply

(1) A, B, C (2) B, C, D

(3) B, D, E (4) A, C, E

19. Active ATPase enzyme is located on :

(1) Actin protein

(2) Myosin head

(3) Myosin tail

(4) Troponin protein

20. Select the true statement :

(A) H-zone is present in the middle of I-band

(B) A-band is present in the middle of sarcomere.

(C) During contraction of mucle, I-bands get reduced

(D) The light bands contain actin and myosin protein

(1) A, B (2) B, C

(3) C, D (4) A, B

ANSWERS KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ans.	3	3	4	3	3	2	2	3	4	3	2	4	1	3	3	2	4	2	2	2