



# BIOLOGY

## BOOKS - TRUEMAN BIOLOGY

### NCERT Exemplar Questions +1 (LOCOMOTION AND MOVEMENT)

#### Mcqs

1. Match the following and mark the correct option

	Column I		Column II
A.	Fast muscle fibres	i.	Myoglobin
B.	Slow muscle fibres	ii.	Lactic acid
C.	Actin filament	iii.	Contractile unit
D.	Sarcomere	iv.	I-band

A. A-i, B-ii, C-iv, D-iii

B. A-ii, B-i, C-iii, D-iv

C. A-ii, B-i, C-iv, D-iii

D. A-iii, B-ii, C-iv, D-i

**Answer: c**



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2. Ribs are attached to

A. scapula

B. sternum

C. clavicle

D. ileum

**Answer: b**



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3. What is the type of movable joint present between the atlas and axis?

A. Pivot

B. Saddle

C. Hinge

D. Gliding

**Answer: a**



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4. ATPase of the type muscle is located in

A. Actinin

B. Troponin

C. Myosin

D. Actin

**Answer: b**



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5. Intervertebral disc is found in the vertebral column of

A. Birds

B. Reptiles

C. Mammals

D. Amphibians

**Answer: c**



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6. Which one of the following is showing the correct sequential order of vertebrae in the vertebral column of human beings ?

A. Cervical- lumbar- thoracic- sacral - coccygeal

B. Cervical- thoracic- sacral-lumbar- coccygeal

C. Cervical- sacral - thoracic-lumbar- coccygeal

D. Cervical- thoracic- lumbar- sacral-  
coccygeal

**Answer: d**



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7. Which one of the following options is incorrect ?

A. Hinge joint - between Humerus and  
Pectoral girdle



B. Pivot joint- between atlas, axis and occipital condyle

C. Gliding joint - between the carpals

D. Saddle joint - between carpal and metacarpals of thumb

**Answer: a**



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**8. Knee joint and elbow joints are examples of**

A. saddle joint

B. ball and Socket joint

C. pivot joint

D. hinge joint

**Answer: d**



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**9. Macrophages and leucocytes exhibit**

A. ciliary movement

B. flagellar movement

C. amoeboid movement

D. gliding movement

**Answer: c**



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**10.** Which one of the following is not a disorder of bone ?

A. Arthritis

B. Osteoporosis

C. Rickets

D. Atherosclerosis

**Answer: d**



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**11.** Which one of the following statement is incorrect?

A. Heart muscles are striated and involuntary

B. The muscles of hands and legs are striated and voluntary

C. The muscles located in the inner walls of alimentary canal are striated and involuntary

D. Muscles located in the reproductive tracts are unstriated and involuntary

**Answer: c**



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12. Which one of the following statements is true:

A. Head of humerus bone articulates with acetabulum of pectoral girdle

B. Head of humerus bone articulates with "glenoid cavity of pectoral girdle"

C. Head of humerus bone articulates with a cavity called acetabulum of pelvic girdle

D. Head of humerus bone articulates with a  
glenoid cavity of pelvic girdle.

**Answer: b**



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**13.** Muscles with characteristic striations and  
involuntary are

A. muscles in the wall of alimentary canal

B. muscles of the heart

C. muscles assisting locomotion

D. muscles of the eyelids

**Answer: b**



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**14. Match the following and mark the correct option**

	<b>Column I</b>		<b>Column II</b>
A.	Sternum	i.	Synovial fluid
B.	Glenoid Cavity	ii.	Vertebrae
C.	Freely movable joint	iii.	Pectoral girdle
D.	Cartilaginous joint	iv.	Flat bones

**A. A-ii, B-i, C-iii, D-iv**



B. A-iv B-iii C-i D-ii

C. A-ii, B-i, C-iv, D-iii

D. A-iv, B-i, C-ii, D-iv

**Answer: b**



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