

## Biology Fsc Part 1 Chapter 12 Online Test

| Sr | Questions  | Answers Choice  |
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| 1  | The concentric layers of lamellae surround a central canal are called.   | A. Medullary canal<br>B. Haversian canal<br>C. Lacunae<br>D. Periosteum   |
| 2  | Sudden, involuntary painful tetanic contraction of muscle or group of muscles most commonly in feet and legs, occurs in. | A. Cramps<br>B. Myositis<br>C. Sciatics<br>D. Tetanus   |
| 3  | Un-striped, spindle shaped, one nucleus per cell are the characteristics of.   | A. Cardiac muscle<br>B. Smooth muscle<br>C. Skeletal muscle<br>D. Voluntary muscles   |
| 4  | Which of these extends the entire length of a muscle fibre.  | A. Myofibril<br>B. Sarcomere<br>C. Myosin filament<br>D. Actin filament   |
| 5  | the most common cause of spondylosis is.   | A. Natural degeneration of intervertebral discs<br>B. Aging<br>C. Genetic factors<br>D. Trauma                                |
| 6  | When a muscle contracts, what does not happen.   | A. Sarcomere shortens<br>B. Z-lines move apart<br>C. H-zone disappears<br>D. A-bands come closer                              |
| 7  | The extensors of lower leg are.  | A. Quadriceps<br>B. Hamstrings<br>C. Rectus femoris<br>D. Gluteus   |
| 8  | Red marrow is found in   | A. Ends of long bones<br>B. Ribs<br>C. Pelvis and sternum<br>D. All of above  |
| 9  | Regularly striped, cylindrical voluntary control are the key features of.  | A. Skeletal muscles<br>B. Cardiomyocytes<br>C. Smooth muscles<br>D. Ciliary muscles   |
| 10 | The joint which allows movement in two planes, one bone having concave surface, other having convex surface is           | A. Hinge joint<br>B. Saddle joint<br>C. Gliding joint<br>D. Pivot joint   |
| 11 | Which of the following is incorrect about yellow marrow.   | A. Produces WBCs<br>B. Can be converted into red marrow<br>C. It is energy reserve<br>D. It is present in shaft of long bones |
| 12 | Which problems can arise due to improper posture.  | A. Vertebral misalignment<br>B. Joint Strain<br>C. Muscle imbalances<br>D. All of above                                       |
| 13 | The broad ends of a bone are called  | A. Epiphysis<br>B. Diaphysis<br>C. Paraphysis<br>D. Metaphysis  |
| 14 | Yellow marrow  | A. Fills the shafts of long bones<br>B. Consists mostly of fat cells<br>C. Serves as an energy reserve<br>D. All of above     |
| 15 | Which of the following is found in epiglottis.   | A. Hyaline cartilage<br>B. Elastic cartilage<br>C. Annulus fibrosus   |

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16 The end of skeletal muscle which is attached to stationary bone during contraction is.

A. Origin  
B. insertion  
C. Belly  
D. Ligament

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17 Pick the disease which is potentially life-threatening and more serious.

A. Tetany  
B. sciatica  
C. **Tetanus**  
D. Ischemia of lower limb

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18 The type of cartilage which is found in areas of the body that experience high stress and tension is

A. Fibro cartilage  
B. Hyaline cartilage  
C. Elastic cartilage  
D. Both b and c

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19 The step of osteogenesis by which cartilage is replaced by bone by the deposition of minerals is called

A. Ossification  
B. Crystallization  
C. Petrification  
D. Osteoporosis

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20 The most common type of joints in the human body are.

A. Fibrous joints  
B. **Synovial joints**  
C. Cartilaginous joints  
D. All of above

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