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1ST YEAR REVISION & TEST SESSION

NAME:			ROLL NO:		TIME:	50: MIN
SUB:	Biology	Date:			CLASS:	1st Year
SYLLABUS	Chp. 12 (Human Skeleton & Muscular Systems)		T. MARKS	30	OBT. M	

Q. 1 Choose the Correct Answer. Cutting, Erasing, Double Selection is Strictly Prohibited. (1x6=6)

1. **Which type of joint is characterized by a space between bones that is filled with synovial fluid:**
   (A) Fibrous joint (B) Cartilaginous joint
   (C) Synovial joint (D) All of above
2. **What is the term for a condition where muscles become fatigued and cramped?**
   (A) Tetanus (B) Muscle tetany
   (C) Muscle fatigue (D) All of above
3. **Which condition is characterized by inflammation of the joint:**
   (A) Arthritis (B) Osteoporosis
   (C) Sciatica (D) Spondylosis
4. **Which muscle type is striated and voluntary:**
   (A) Skeletal muscle (B) Cardiac muscle
   (C) Smooth muscle (D) All of above
5. **The term muscle fibre or myofibre refers to:**
   (A) A cellular organelle (B) A cell
   (C) A tissue (D) An organ
6. **Sarcomere is a part between:**
   (A) Two H-lines (B) Two A-band
   (C) Two Z-lines (D) Two I-bands

PART-I

Q. 2 Write Short Answers of the Following Questions (2x8=16)

i. Describe three types of joints and give an example of each.
ii. Explain the sliding filaments model of muscle contraction.
iii. Why do cartilage injuries often remain unnoticed for longer periods?
iv. Enlist the bones in the five group of vertebrae.
v. Name the bones of forelimbs and hindlimbs.
vi. List the major parts of skeletal muscle fiber
vii. Write a few lines about cardiac muscles.
viii. Differentiate between ligament and tendon.

PART-II

Write Answers of the Following Questions in Detail.

Q. 3 (a) Explain the structure of bones 4
(b) Describe causes and symptoms of muscle fatigue, cramps and tetany. 4

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Answer Key							
1	C	**2**	B	**3**	A	**4**	A
5	B	**6**	C				