

**CHOITHRAM SCHOOL MANIKBAGH INDORE****CLASS XI Session: 2016-17****Subject: Biology****Allotment Date: 06/01 /2017****Assignment No: IV****Submission Date: 10/01/2017**

S.No	QUESTION	MARKS	LEVEL
<b>OBJECTIVE TYPE</b>			
1.	Name the longest and smallest bone of the body.	1	Knowledge
2.	Name the type of joint between the following_ a)atlas/axis b)carpel/metacarpal of thumb, c)between cranial bones, d)femur/acetabulum	1	Understanding
3.	a)For muscle contraction where is ATPase enzyme located. b)Where is interarticulated disc located in humans.	1	hot
<b>SHORT ANSWER TYPE I</b>			
4.	What is the role of calcium ions in muscle contraction?	2	knowledge
5.	Write difference between Actin and Myosine, Movable and immovable joint	2	understanding
6.	Give scientific reasons for the following- Female pelvis is larger and broader front than males. b)Osteoarthritis is more in older people	2	logic
7.	Answer the following:a)Which part of the ear determines the pitch of the sound? b)Explain the role of Na <sup>+</sup> in the generation of action potential.	2	Hot
<b>SHORT ANSWER TYPE II</b>			
8.	Explain the initiation of muscle contraction. What is the role of sarcoplasmic reticulum, myosine head and F-actin during contraction in striated muscle.	3	understanding
9.	a)Why do we see better through the corner of our eye in darkness? b)What are the causes of night blindness and colour blindness. c)How can you show that olfactory receptors are quickly fatigued?	3	Multi conceptual
10.	Mr. Gupta died in a road accident and his family donated his eye to the eye bank. Ramesh knew nothing about eye donation and eye bank so he asked his doctor uncle the meaning of these terms. His uncle explained in detail about this term. Answer the following; a)What is eye donation and eye bank? b)Which property of cornea makes its transplantation easy? What human value is associated with eye donation?	3	Value based
<b>LONG ANSWER TYPE</b>			
11.	Draw a labeled diagram of T.S cochlea of human ear. Describe how each of the following is achieved in usⓈi)hearing (ii) balance	5	Logic
12.	How can you account for the following_ a)Owl can see at night.b)No image is formed at the exit of optic nerves. c)We fail to see for a moment on entering the dark room during day time. d)Man cannot move the pinna.e)Besides blood, what else supply nutrients to the neurons in brain.	5	Hot