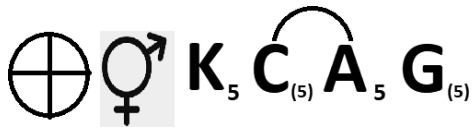


	BCM SCHOOL BASANT AVENUE , DUGRI LUDHIANA ANSWER KEY XI BIOLOGY	
1	c. I-i, II-iv, III-ii, IV-v, V-iii	1
2	Both A and R are true and R is the correct explanation of A	1
3	a. C - urinogenital duct    b. E - cloacal aperture    c. F- urinary bladder. d. D – rectum	½ each
4	<ul style="list-style-type: none"> <li>A is mitosis.</li> <li>B is meiosis</li> </ul> <p>Line segment “bc” represents S phase because during this phase DNA replication takes place and the amount of DNA per cell doubles, i.e if the initial amount of DNA is 2C then it will increase to 4C.</p>	½ ½ 1+1
5	<p>a. imbricate, valvate</p> <p>b. axile, china rose.</p>  <p><b>OR</b></p> <p>Five, polyandrous, epipetalous, bilobed</p>	½+1/2 ½+ ½ 2 1/2each
6	a) Endothermic reaction, as energy level of Product is higher than substrate/ reactant.	1
	b) Curve B represents enzyme catalysed reaction/	1
	Since difference in average energy content of reactant from that of transition state (Activation energy) is lower than in curve A.	
	c) Curve B	2
	Chemical will act as competitive inhibitor/will bind to active site of enzyme/will affect conversion of substrate to product	