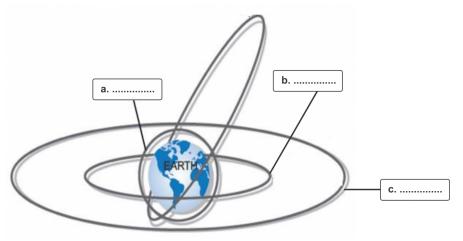
SUCCESS KEY TEST SERIE		;			
Test Series		X (English) (Unit test-4 Science-1 (Ch- 9,10))	-	TIME: 1 hrs	
5.	crass Key	Science And Technology - I-	-	MARKS: 20	
			SEAT NO:		
Q.1 A)	Solve the follo	owing questions.		(2)	
1)	Chandrayaan :	moon : : Mars			
2)	conta	ains carbon to carbon single bonds only.			
B)	Choose the co	prrect alternative and rewrite the sentence		(3)	
1)	a. the pink colo b. the pink colo c. the pink colo	On adding the pink coloured solution of potassium permanganate to ethanoic acid, a. the pink colour completely dissapears b. the pink colour diappears at first c. the pink colour remains d. the pink colour changes to orange.			
2)	Magnesium is a moderately active metal. Which is not true in the following? a. It reacts with bromic acid to liberate hydrogen gas. b. It reacts with ethanol and hydrogen gas is not liberated. c. Magnesium has two valence electrons. d. On combustion, magnesium forms a powder of MgO.				
3)	Which of the fo a. Kalpana Cha	llowing astronauts travelled through space shuttle 'Discovery' awala b. Rakesh Sharma c. Sunita Williams c	first time? d. Neil Armstr	ong	
Q.2	Solve the follo	Solve the following questions. (Any two) (4			
1)	The unsaturate	The unsaturated compounds are more reactive than the saturated compounds.			
2)	•	Complete the statement and explain the following: The Initial velocity of the Mangalyaan must be greater than from earth.			
3)	What does spa	What does space debris consist of?			
Q.3	Solve the follo	owing questions. (Any two)		(6)	
1)	There are astro	pnomical object orbiting planet of our solar system.			
	1. According to	you, what that object is known as?			
	2. Is it possible	2. Is it possible for man to make this object? If yes, what is it called?			
	3. Explain in de	etailed about man made astronomical object.			
2)	How much time	e will the satellite take to complete one revolution around the e	earth?		

3) Write the proper name of the orbits of satellites shown in the following figure with their height from the earth's surface.



Q.4 Solve the following questions. (Any one)

- Explain the following terms with example.
 a. Structural isomerism
 b. Covalent bond
 c. Hetero atom in a carbon compound
 d. Functional group
 e. Alkane
- 2) Identify the type of the following reaction of carbon compounds.
 - i. CH_3 - CH_2 - CH_2 - $OH \rightarrow CH_3$ - CH_2 -COOH
 - ii. CH_3 - CH_2 - $CH_3 \rightarrow 3 CO_2 + 4 H_2O$
 - iii. CH₃-CH = CH -CH₃ + Br₂ \rightarrow CH₃-CHBr CHBr -CH₃
 - iv. CH_3 - CH_3 + $CI_2 \rightarrow CH_3$ - CH_2 -CI + HCI
 - v. CH_3 - CH_2 - CH_2 - CH_2 - $OH \rightarrow CH_3$ - CH_2 - $CH=CH_2$ + H_2O
 - vi. CH_3 - CH_2 -COOH + NaOH \rightarrow CH_3 - CH_2 -COO- Na^+ + H_2O
 - vii. CH₃-COOH + CH₃-OH \rightarrow CH₃-COO- CH₃+ H₂O

(5)