Question 3

(i) Fill in the blanks:

SCIENCE

MARK: 40 TIME: 2 Hrs

		Attempt all questions	
Questio	on 1		
Choose	e the	correct answer to the questions from the given options.	[1
(Do no	t cop	y the question. Write the correct answer only.)	
(i)	Light always travels in a line.		
	_	Straight (b) Curved (c) Bend (d) none of these	
(ii)	(ii) Which of these is a class 3 lever?		
		Seesaw (b) Nutcracker (c) Ice tongs (d) knife	
(iii)			
(111)	A bottle opener is an example of which of the following simple machine?		
(:)	(a) Class 1 lever (b) Class 2 Lever (c) Class 3 lever (d) Screw		
(iv)		outermost part of the flower that consists of green leaf like structure:	
	, ,	Stamen (b) Sepal (c) Petals (d) Pistil	
Questio	on 2		
(i)	Name the following:		
	(a)	Example of vegetative reproduction by leaf.	
	(b)	The part of the flower that becomes the seed.	
	(c)		
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(iii)	` '		[,
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(iii)	(d) (e) (f) (g) (h) Wr (a) (b) (c) (d) (e) (f)	The energy is produced by movement or change in the position of an object. The liquid part of the blood. The energy source that can be used again and again. The process by which seed become seedling or a young plant. The instrument used by a doctor to listen to the heartbeat. The largest artery. ite true or false. Correct and rewrite the false statement. A wedge has four inclined plane. Mushrooms have seeds. The stamen is the female reproductive part of a flower. Work is done when we are standing at a bus stop. Fulcrum is located between the load and the effort in second class lever. The outermost part of a flower is made up of petals ine the following: Fertilization Non renewable energy Vegetative Reproduction	

[2]

 (b) The is a good example of seed dis (c) Fungi reproduce through (d) The anther has yellow powder like substance (e) Peas and beans use the method of (f) In a wheel barrow the load is between the effective of the seed dis 	e called seed dispersal. fort and
 (d) The anther has yellow powder like substance (e) Peas and beans use the method of (f) In a wheel barrow the load is between the effective of the substance 	seed dispersal. fort and el of in the atmosphere.
(e) Peas and beans use the method of(f) In a wheel barrow the load is between the ef	seed dispersal. fort and el of in the atmosphere.
(f) In a wheel barrow the load is between the ef	fort and el of in the atmosphere.
	el of in the atmosphere.
	•
(g) Deforestation leads to an increase in the lev	[5]
(h) All food chain starts with	[5]
(ii) Give reason for the following:	
(a) Ice tongs are the class three lever.	
(b) A boy reading a book while sitting on a ben	ch in a park is not doing any work.
(c) It is easier to push a heavy bag up a ramp th	an carrying it up a staircase.
(d) Seed dispersal is important for plants.	
(e) Seed kept in a refrigerator do not germinate	
(iii) Choose the odd one from the following:	[1]
(a) Dandelion, Maple, Cotton, Pea	
(b) Potato, Sugarcane, Banana, Carrot	
(c) Steering wheel, Ramp, Car, Screw	
(d) Papaya, Bitter gourd, Mustard, Cucumber	
(iv) Give the functions of the following:	[1]
(a) Sepal (b) Arteries (c) WBCs (d) Seed co	at
Question 4	
(i) (a) Give two examples of pulley.	[3]
(b) Write the order in which fulcrum, load and ef	fort are present in each of the
three types of levers.	
(c) What is food chain? Write one example.	
لر (ii)	[1]
(a) Identify L and M?	
(b) What is the function of K?	
(iii) Amit and his friends are playing on a seesaw in t	•
one friend sits farther from the center, the seesay	w moves more easily.
(a) What type of simple machine is a seesaw?	
(b) What is the fulcrum in a seesaw?	

(c) Can you name two other examples of this type of simple machine? **Question 5 (i)** [4] Differentiate between the following: Luminous and Non luminous object Rotation and Revolution of the earth **(b)** Self pollination and Cross polination (d) Scavengers and Decomposers [3] (ii) The figure given below shows the L.S. of a flower. Study the same and answer the questions that follow: C В (a) Where are the pollengrains formed? (b) Identify the part labelled 'B' . How is it helpful to the plant? (c) What is the function of 'C'? (d) Label the part 'A' and describe its structure. [3] (iii) Rohan hears on the news that a solar eclipse will occur the next day. His teacher explains that it occurs when the moon blocks sunlight from reaching the earth. (a) Define eclipse. (b) What is the difference between a solar and a lunar eclipse? (c) Why should we never look at a solar eclipse directly? **Ouestion 6 (i)** A farmer notices that some plants in his field are propagating without seeds. His [2] neighbour informs him that plants can also propagate from stems, roots, or leaves. (a) What is the process called when plants grow without seeds? (b) Name two plants that can be propagated from their stems. [2] (ii) In a village, farmers notice that when bees visit their farms, soon, their crops produce more fruits and vegetables. (a) How are bees important for plants? (b) What will happen if there are no bees in the environment? (c) How do plants help bees in return? (iii) [2] Study the pictures shown below and answer the questions that follow:



- (a) Identify the simple machines shown in the pictures.
- (b) How are they different?

