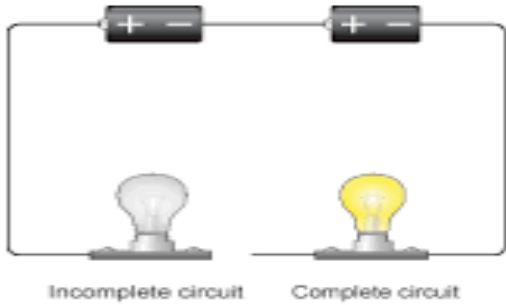





SUMMATIVE ASSESSMENT II
[SESSION 2016-2017]
SCIENCE
CLASS VI Sample Answer Key

S.No	Answer	Marks
1	Nutrients needed in very small quantities like vitamins and minerals are called micro nutrients. Ex: calcium, iodine, etc (0.5*2)	1
2	The filament is made of Tungsten.	1
3	Some plants that give us oil are Groundnut, olive, sesame, sunflower, etc (any 2)	1
4	No, Bill cannot get it back as the change is irreversible.	2
5	(Any 2) <ul style="list-style-type: none"> ● Growth of a child ● Seed to tree ● Rusting of iron, etc 	2
6	(Any 2) <ul style="list-style-type: none"> ● It provides a medium for all the reactions in the body ● It maintains cell size and shape ● Helps in absorption of nutrients ● Helps in elimination of waste as urine and sweat ● Regulates body temperature 	2
7	The 3 conditions are source of light, opaque object and screen.	3
8	Milk to curd is an irreversible change which cannot be brought back to the original.	3
9	Fibers:(any 3) <ul style="list-style-type: none"> – Providing bulk so the muscles in the intestine can keep the food moving – Prevent constipation and maintains proper bowel movements – Reduces acidity 	3

	– Helps retain water	
10	No he cannot use them again as they are burst and this is an irreversible change.	3
11	<p>Incomplete – current does not flow., circuit is open</p> <p>Complete – current flows, circuit is closed</p> 	3
12	<p>Temperature: Kelvin</p> <p>Time: second</p> <p>Weight: Kilogram</p>	3
13	<p>Animals are classified as:</p> <p>Carnivore: animals that eat only meat</p> <p>Herbivore: animals that eat only plants</p> <p>Omnivore: animals that eat both</p>	3
14	<p>A: circular/rotatory motion</p> <p>B: vibratory motion</p> <p>C: rectilinear motion</p>	3
15	<p>Milch animals are the animals that give us milk.</p> <p>Ex: cow, buffalo, goat etc.</p>	3
16	The bulb will glow in A as the circuit is complete but not in B and C as the two terminals of the cell are not joined together.	3
17	<p>1m=100cm</p> <p>428/100 = 4.28m of wire</p>	3
18	<p>Reversible- can be brought back to original</p> <p>Ex: blinking eyes, switching on and off a switch</p>	3

	Irreversible - cannot be brought back to original Ex: rusting iron, growing child, weathering mountains											
19	We can recommend eating Vitamin A, the disease is night blindness.	5										
20	a) A cell is a device to convert chemical energy to electrical energy. Many cells joined end to end in series connection (positive to negative terminals) is called a battery. 	5										
21	a) <table border="1"><thead><tr><th>IMAGE</th><th>SHADOW</th></tr></thead><tbody><tr><td>Made by effects of light</td><td>Made by absence of light</td></tr><tr><td>Coloured</td><td>Black in colour</td></tr><tr><td>Does not change size due to location of source of light</td><td>Changes size due to location of source of light</td></tr><tr><td>Shows actual shape and details</td><td>Does not show actual shape or details only outline</td></tr></tbody></table> b) b) light moves in a straight line. This can be shown by taking a straight tube and a bent tube. The bent tube will not show the light and the straight will.	IMAGE	SHADOW	Made by effects of light	Made by absence of light	Coloured	Black in colour	Does not change size due to location of source of light	Changes size due to location of source of light	Shows actual shape and details	Does not show actual shape or details only outline	5
IMAGE	SHADOW											
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22	a) Yes, when I am in the car, the car seems to be at rest in relation to me, but to someone outside, it is in motion. b) Yes, swing has oscillatory and periodic motion at the same time.	5										
23	a) vitamin C b) prevents scurvy c) lemon, orange, lime, kiwi, grape fruit, etc	5										
24	a) A = umbra: central darker part, no light reaches here. B = penumbra : lighter outer part, some light reaches here.	5										

	b) The shadow becomes bigger c) The shadow becomes smaller	
25	c)guava	1
26	d)none	1
27	a) umbra	1
28	c)2 cm	1
29	b)A: electrical; B: light	1
30	b) to act as a screen to see the image	1
31	a)protein	1
32	d)blue black	1
33	b)protection	1
34	Reversible: comb it , tie it, etc Irreversible: cut it, colour it, etc	2
35	It is a pinhole camera, Image can be blurry if the pinhole is too big, or the box is not opaque, or the screen is not translucent enough.	2
36	Any 2: <ul style="list-style-type: none"> ● Don't waste food ● take only enough food for yourself ● Make better storage structures ● Grow more food ● Buy locally grown and inexpensive fresh food 	2