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COMMON FORMATIVE ASSESSMENT - I

CLASS: VII

MARKS: 40

SUBJECT: SCIENCE

DURATION: 90 mins

General Instructions

- ✓ Write your roll number on question paper
- ✓ All questions are compulsory
- ✓ Read the questions carefully
- ✓ Question 1 to 5 are multiple choice questions carrying 1 marks each
- ✓ Question no. 6 carry 5 marks
- ✓ Questions 7 to 10 carry 2 marks each
- ✓ Questions 11 to 14 carry 3 marks each
- ✓ Question no. 15 & 16 carry 5 marks each

I CHOOSE THE CORRECT ANSWER

5 MARKS

1. Which part of the plant gets carbon dioxide from the air for photosynthesis.
(a) root hair (b) stomata (c) leaf veins (d) sepals
2. Plants take carbon dioxide from the atmosphere mainly through their:
(a) roots (b) stem (c) flowers (d) leaves
3. Water from the undigested food is absorbed mainly in the
(a) stomach (b) foodpipe (c) small intestine (d) large intestine
4. Which of the following does not yield wool?
(a) Yak (b) Camel (c) Goat (d) Woolly dog
5. Stainless steel pans are usually provided with copper bottoms. The reason for this could be that
(a) copper bottom makes the pan more durable.
(b) such pans appear colourful.
(c) copper is a better conductor of heat than the stainless steel.

(d) copper is easier to clean than the stainless steel.

II FILL IN THE BLANKS

5 MARKS

6. A. The food synthesised by the plants is stored as _____.
- B. The largest gland in the human body is _____.
- C. The inner wall of the small intestine has many finger-like outgrowths called _____.
- D. The term related to silk production is _____.
- E. No medium is required for transfer of heat by the process of _____.

III ANSWER THE FOLLOWING QUESTIONS

7. Distinguish between a parasite and a saprotroph. **2M**
8. Give a brief description of the process of synthesis of food in green plants. **2M**
9. Name the type of carbohydrate that can be digested by ruminants but not by humans. Give the reason also. **2M**
10. Discuss why wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing. **2M**
11. Name the following: **3M**
- (i) A parasitic plant with yellow, slender and tubular stem.
 - (ii) A plant that has both autotrophic and heterotrophic mode of nutrition.
 - (iii) The pores through which leaves exchange gases.
12. Make sketches of the two stages in the life history of the silk moth which are directly related to the production of silk. **3M**
13. Explain the formation of land breeze with help of a neat diagram. **3M**
14. Write two differences between clinical and laboratory thermometer. Draw diagram to show a clinical thermometer. **3M**

15.Explain the steps involved in the processing of fibres into wool.

5M

16.Draw a neat diagram to show human digestive system. Label the part of the digestive canal involved in

5M

- (i) absorption of food _____.
- (ii) chewing of food _____.
- (iii) killing of bacteria _____.
- (iv) complete digestion of food _____.

MARKING SCHEME- SCIENCE CLASS-VII

COMMON FORMATIVE ASSESSMENT - I

	Expected answers/value points	Marks	Total
Q1.	b	1	
Q2	d	1	
Q3	d	1	
Q4	d	1	
Q5	C	1	5
Q6	A : starch	1	
	B : liver	1	
	C : villi	1	
	D : sericulture	1	
	E : radiation	1	5
Q7	Definition	$\frac{1}{2}$, $\frac{1}{2}$	
	examples	$\frac{1}{2}$, $\frac{1}{2}$	2
Q8	Process of photosynthesis (raw materials, chlorophyll, sunlight etc)		2
Q9	Cellulose	1	
	The cellulose of the food is digested here by the action of certain bacteria which are not present in humans.	1	2
Q10	There would be a layer of air in between. This air prevents the flow of heat from our body to the cold surroundings. So, we feel warm		2
Q11	i) cuscuta	1	

	ii) insectivorous plants/Pitcher plant	1	
	iii) stomata	1	3
Q12	Writing the names silkworm & cocoon	$\frac{1}{2}$, $\frac{1}{2}$	
	diagrams	1,1	3
Q13	Explanation of the concept	2	
	Diagram with arrow	1	3
Q14	Two differences	1,1	
	diagram	1	3
Q15	Steps I to IV	1,1,1,1	
	Steps V & VI	$\frac{1}{2}$, $\frac{1}{2}$	5
Q16	Diagram as in the NCERT book	3	
	labellings	$\frac{1}{2}$ x4	5