

DR. M.K.K. ARYA MODEL SCHOOL
HOLIDAY HOMEWORK

CLASS -VII

SUB: SCIENCE

A. Multiple choice question :

1. Silk is prepared from silkworm at which stage of life cycle .
i. egg ii. Larva iii. Pupa iv. Adult butterfly
2. Silk clothes are prepared from :
i. silkworms ii. Silk sheep iii. Silk flies iv. all of these
3. Fat is completely digested in the
i. stomach ii. small intestine iii. mouth iv. large intestine
4. The organ which produce bile is :
i. liver ii. stomach iii. pancreas iv. gall bladder
5. Which of the component is synthesized by plants:
i. Carbohydrate ii. fats iii. proteins iv. all of these
6. Nitrogen is absorbed by :
i. Autotrophs ii. leguminous plant iii. Insectivorous palnt iv. None of these
7. The wall of large intestine absorb which of these
i. Cellulose ii. digested food iii. oxygen iv. water
8. In a pitcher plant, the pitcher is formed by the modification of the
i. Root ii. stem iii. flower iv. leaf

B. Do all the questions in a separate notebook :

- Q1. Name an organism that shows both autotrophic and heterotrophic mode of nutrition.
- Q2 Which is called the food factories of plant .
- Q3. What is mastication?
- Q4. Which organism fixes nitrogen in the soil.
- Q5. Name the enzyme released from the following glands in human digestive system :
 - i. Salivary glands
 - ii. Gastric glands
 - iii. Pancreas
 - iv. Liver
- Q6. What is digestion ? Why it is important?
- Q7. Which is the hardest substance in human body.
- Q8. Why green leaf is boiled in alcohol before testing it for starch.
- Q9. What are ruminants ? How do they digest cellulose.
- Q10. How does animal nutrition is differ from plant nutrition.
- Q11. Why do we get instant energy from glucose ?
- Q12. Write one similarity and one difference in nutrition in amoeba and human beings.
- Q13. Provide one single term :
 - a. The part of amoeba which helps in capturing food .
 - b. The longest part of alimentary canal.

c. Finger like outgrowth in the small intestine .

Q14. What is the role of (a) Scouring (b) Sorting during the process of wool from fleece ?

Q15. Explain symbiotic relationship in lichens .

Q16. Fill in the blanks :

- i. The alimentary canal stretches from to _____ .
- ii. Teeth are rooted in separate _____ in between the _____ .
- iii. Digestion of the food starts in gets completed in _____ .
- iv. _____ is the largest gland in human body .

Q17. Explain the term Assimilation and pseudopodia .

Q18. How sun is said to be ultimate source of energy .

Q19. What are the function of the tongue ?

Q20. Mention the important function of Pancreas.

C. Learn and revise the chapters -

Nutrition in plants , Nutrition in animals and Fibre to fabric

D. Draw and explain diagram of **life cycle of silk moth** on A3 sheet .

OR

Take different coloured papers . cut them into various shapes resembling with that of the human digestive organs such that one colour represents one organ . paste them on A3 sheet and make the complete **human digestive system** . Label various organs .

E. Write all the functions of different **types of teeth** with their images on A3 sheet.

F. Write an inspiring quotation related to science on coloured A4 sheets .