

**O. P. JINDAL SCHOOL, SAVITRI NAGAR**  
**Half-Yearly Examination– (2023-24)**

Class/Sec- IV/\_\_\_\_\_  
Subject – Science

MM – 80  
Time- 2 hours

Name \_\_\_\_\_ Roll No. \_\_\_\_\_ Invigilator's sign \_\_\_\_\_

*Fifteen minutes extra will be given for reading the Question Paper.*

**General Instructions –**

1. The Question Paper comprises of 6 sections A,B,C,D,E. There are 24 questions in all.
2. Section A, Q1 comprises of 12 MCQ type questions and carries 1 mark each.
3. Section B, Q2 & Q3 comprise of 8 Case-Based type questions and carries 1 mark each..
4. Section C, Q4 to Q12 are very short answer type questions, carries 2 marks each.
5. Section D, Q13 to Q21 are short answer type questions, carries 3 marks each.
6. Section E, Q22 to Q24 are long answer type questions, carries 5 marks each.

**SECTION – A**

**Q1. Choose the correct option.**

**(12x1=12)**

(i) Which of these minerals the body needs to make blood?

- (a) Iodine                      (b) Phosphorus                      (c) Calcium                      (d) Iron

(ii) Find the odd one out,

- (a) Water                      (b) Carbohydrates                      (c) Proteins                      (d) Vitamins

(iii) Which of these teeth is not found in a set of milk teeth?

- (a) Incisors                      (b) Canines                      (c) Molars                      (d) Premolars

(iv) The front teeth, incisors are used for

- (a) Tearing                      (b) Crushing                      (c) Cutting                      (d) Grinding

(v) The soft inner-most part of a tooth that has blood vessels and nerves is the

- (a) Root                      (b) Pulp                      (c) Dentine                      (d) Crown

(vi) At about what age do permanent teeth start appearing?

- (a) Five years                      (b) Two years                      (c) Three years                      (d) Seven years

(vii) Not eating enough fibre can lead to

- (a) Constipation      (b) Malaria      (c) Weak bones      (d) Poor vision

(viii) Which of the following nutrients is required for growth and repair of the body?

- (a) Fats      (b) Minerals      (c) Proteins      (d) Vitamins

(ix) Digestion is completed in the

- (a) Stomach      (b) Liver      (c) Small intestine      (d) Mouth

(x) The large intestine absorbs the

- (a) Fats      (b) Water      (c) Blood      (d) Food

(xi) Which of these does not help to remove waste from the body?

- (a) Skin      (b) Kidneys      (c) Lungs      (d) Stomach

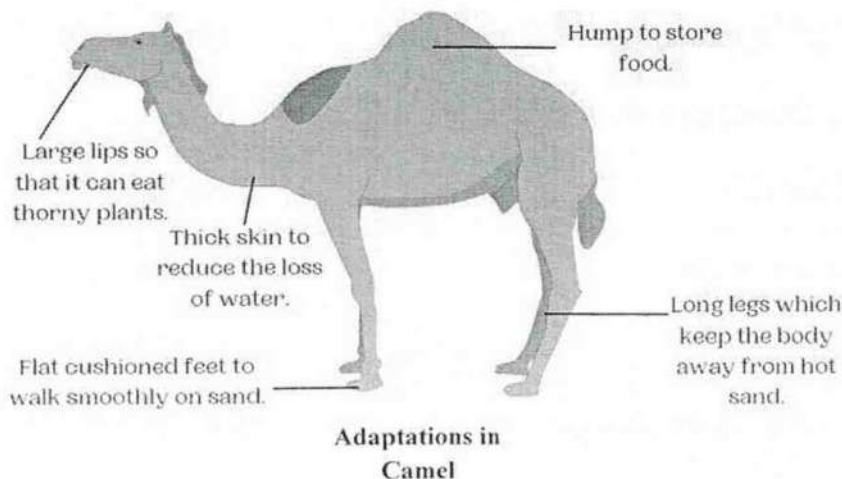
(xii) Urine is carried away from the kidneys by the

- (a) Ureters      (b) Urinary tube      (c) Urinary bladder      (d) Nerves

## SECTION -B

Q2. Look at the diagram and choose the correct answer.

(4x1=4)



(i) Large and wide feet of a camel helps it to

- (a) Walk on sand      (b) Run on water      (c) Kill insects      (d) Take rest

(ii) Its humps store \_\_\_\_\_ in the form of fats.

- (a) Air                      (b) Food                      (c) Oxygen                      (d) Sand

(iii) Camel's large lips help it to eat

- (a) Leaf of plants              (b) Thorny plants              (c) Bark of tree              (d) Both a and b

(iv) The long legs protect camels from

- (a) Cooling sand              (b) Heat of sand              (c) Heavy rainfall              (d) Dirty air

**Q3. Read the following paragraph and choose the correct answer. (4x1=4)**

There are around three to four lakh identified plant species, and this list is still increasing. They provide us with a variety of things to fulfill our daily needs, including food, oxygen, clothes, wood, medicine, shelter and many products such as paper, rubber etc. Neem, Tulsi, Aloe-vera, Cinchona are certain plants those give us medicines. Quinine is a medicine, made from the bark of Cinchona plants. Wood is used to make furniture, plywood whereas firewood is used for cooking and heating.

(i) Around how many lakh plant species are identified?

- (a) One to two              (b) Five to six              (c) Three to four              (d) Seven to eight

(ii) Which of these is made from plants?

- (a) Paper              (b) Wool              (c) Silk              (d) Leather

(iii) Wood that is used for cooking and heating is called

- (a) Plywood              (b) Firewood              (c) Timber              (d) Both a & b

(iv) Quinine medicine is made from the bark of a tree called

- (a) Amla              (b) Clove              (c) Cinchona              (d) Neem

**SECTION – C**

**(9x2=18)**

**Q4. Write two benefits of fibres in our body.**

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Q5. Write any four components of food.

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Q6. Name the different types of teeth that make up a full set of permanent teeth.

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Q7. Why do teeth decay?

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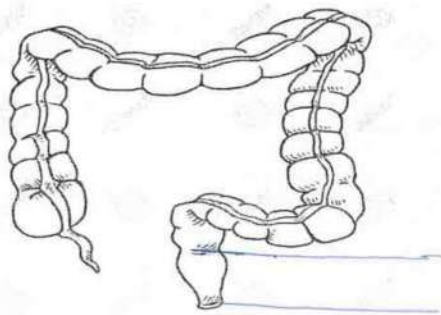
Q8. What two jobs that saliva does ?

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Q9. Show the two main parts of the large intestine.



Q10. Name two organs other than kidneys that help to remove waste from the body.

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**Q11. Match the columns.**

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|----------------------|-----------------|
| (i) Faeces           | Lungs           |
| (ii) Sweat           | Large intestine |
| (iii) Carbon dioxide | Kidneys         |
| (iv) Urine           | Skin            |

**Q12. What does excretion mean?**

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**SECTION -D**

**(9x3=27)**

**Q13. Write three importance of water in our body.**

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**Q14. How can we take care of our teeth (any three ways)?**

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**Q15. What is digestion? Where does digestion start?**

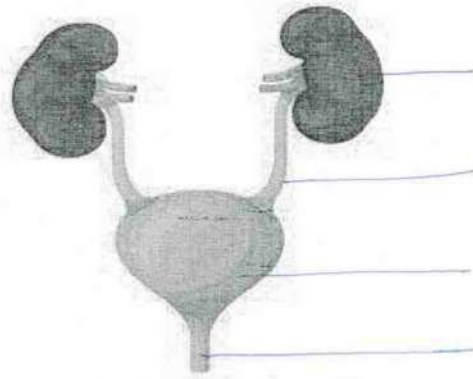
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**Q16.** Show any three parts of the excretory system.



**Q17.** Why does urine not drip out of the bladder constantly?.

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**Q18.** Write three differences between herbivores and carnivores with examples.

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**Q19.** What are adaptations? Write two adaptations of polar bear that help it live in Arctic.

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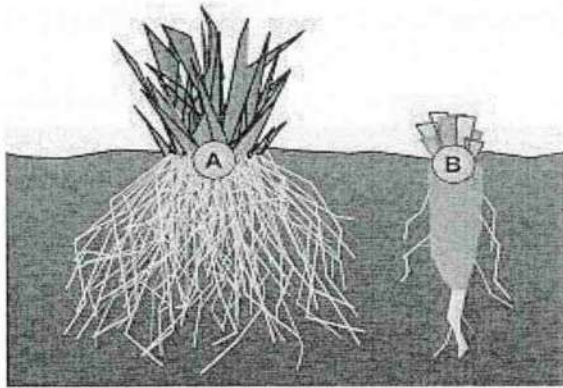
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**Q20.** What do you mean by-

- (i) Timber .....
- (ii) Stomata .....
- (iii) Fibres .....

Q21. Identify the roots A and B. Also write two functions of roots.



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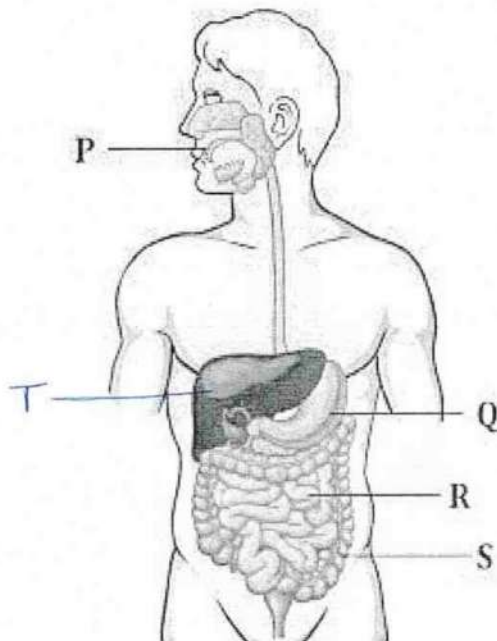
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**SECTION -E**

**(3x5=15)**

Q22. Name the parts of the human digestive system.



**Q23. Choose the correct answer and write.**

( Webbed feet, Hibernation, Curved pointed canines, Fins and tail, Blubber)

(i) Help fish move forward. \_\_\_\_\_

(ii) Help lion to tear flesh. \_\_\_\_\_

(iii) Animals go for a long sleep to avoid shortage of food. \_\_\_\_\_

(iv) A layer of fats in polar bear, protects it from cold. \_\_\_\_\_

(v) Help penguin walk on ice floor. \_\_\_\_\_

**Q24. Draw a diagram to show the functions of leaf.**

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