

ATOMIC ENERGY EDUCATION SOCIETY

TERM –I EXAMINATION (2017-18)

Date of Exam - 18 Sept. 2017

SUBJECT – SCIENCE

CLASS – VI

Marks – 80

TIME - 3 Hours

INSTRUCTIONS:

- 1.This question paper consists of 35 questions.
- 2.All questions are compulsory.
- 3.Q.Nos 01 to 10 are of multiple choice. Choose the most correct option from the alternatives given. Each carries 1 mark.
- 4.Q.Nos 11 to 21 carry 2 marks each. They can be answered in one or two sentences.
- 5.Q.Nos 22 to 30 carry 3 marks each. They can be answered in three to four sentences.
- 6.Q.Nos 31 to 34 carry 4 marks each. They can be answered in five to six sentences.
- 7.Q.No 35 carries 5 marks. It is a value based question. It can be answered in your own words with proper reasoning.
- 8.Draw neat labeled diagrams wherever needed.
- 9.Write with neat and legible hand writing.

SECTION-A

QI Choose the correct option.

1x10=10 marks

- 01.When a food material is crushed on a paper an oily mark shows the presence of
(a)Carbohydrates (b)Fats (c) Proteins (d) Vitamins
- 02.Animals which eat only plants or plant products are called
(a)Carnivores (b) Omnivores (c) Herbivores (d) Parasites
- 03.The disease scurvy is caused due to deficiency of Vitamin
(a) Vitamin A (b) Vitamin C (c) Vitamin D (d) Vitamin E
- 04.Cotton seeds are separated from cotton fibers by a method called
(a) Weaving (b) Spinning (c) Ginning (d)Knitting
- 05.Materials through which we can see clearly are called
(a) Opaque (b) Transparent (c) Translucent (d) None of the above
- 06.To obtain fine atta(flour) the method used is
(a) Hand picking (b) Winnowing (c) sieving (d) Decantation
- 07.Which one of the following is soluble in water?
(a) Glass (b) Stone (c) Wood (d)Sugar
08. The part of the plant which prepares food is
(a) Root (b) stem (c) leaf (d) flower

09. Bones become soft and bent when a person suffers from
(a) Goiter (b) Rickets (c) Anaemia (d) Scurvy
10. The part of the leaf by which it is attached to the stem is
(a) Petiole (b) Lamina (c) Vein (d) Midrib

SECTION B

QII. Answer the following in 2-3 sentences.

2x11=22marks

11. What is the function of the stem in the plant?
12. Classify the following as reversible or irreversible changes
(a) Melting of wax. (b) Dissolving salt in water.
(c) Burning of a paper (d) Ripening of a fruit.
13. Rajesh was going on adding sugar to a glass of water. He observed after sometime the sugar stopped dissolving. What do you call such a solution? Define it in your own words.
14. What is spinning? Which great Indian leader popularized this process by using Charkha?
15. Government of India made it compulsory to sell only iodized salt. Why do you think it is compulsory to have iodine in the diet? Name the disease caused due to its deficiency and write the symptoms.
16. How many types of leaf venation you can see in plants? Name them.
17. Name two fibers obtained from plants and two fibers obtained from animals.
18. Draw a neat labeled diagram to show the parts of a pistil.
19. What is hand picking? Give an example where this method is used.
20. Name one source from which we obtain
(a) Vitamin D (b) Vitamin C (c) Vitamin A (d) Iron
21. Name any two substances each which are soluble and which are insoluble in water.

SECTION C

QIII. Answer the following in 3-4 sentences.

3x9=27 marks

22. Why is a metal (iron) rim heated before fixing it on a wooden wheel?
23. Lemonade (sharbat) is made by mixing lemon juice, water and sugar. You want to add ice to it. Should you add ice before dissolving sugar or after dissolving sugar? Explain.
24. A piece of boiled egg white is given to you. How can you show the presence of proteins in it?

25.How is jute obtained from the jute plant? Name one state where jute is grown.

26.Define (a) Sedimentation (b) Evaporation (c) Threshing

27.Is it possible for us to recognize the leaf without seeing them? How?

28.Name the edible parts of the following plants

a) Tamarind b) Banana c) Spinach d) Mangoe) Mustard f) Coriander (dhaniya)

29. What is a balanced diet? What is its importance?

30. Differentiate between transparent and opaque materials with an example of each.

SECTION –D

4X4=16 marks

31.In coastal areas we can observe farmers preparing salt. Explain the process involved. Which method of separation is mainly used in this?

32.What is the difference between tap root and fibrous root system? Give two examples of plants which have tap root and which have fibrous roots.

33.What is meant by dietary fiber in our diet? Why is it important?

34.Draw a neat labeled diagram to show the various parts of a plant.

SECTION-E

(5 Marks)

VALUE BASED QUESTIONS

35. Boojho was having difficulty in seeing things in dim light. The doctor tested his eyes and prescribed a particular vitamin supplement. He also advised him to include a few food items in his diet.

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| 1. What deficiency disease is Boojho suffering from? | 1 mark |
| 2. Which vitamin may be lacking in his diet? | 1 mark |
| 3. Suggest any 2 food items he should include in his diet. | 1mark |
| 4. Why do we all need vitamins? | 2 marks |
