

Date:

Class: VIII

Science

Time:3 hrs

M. M: 90

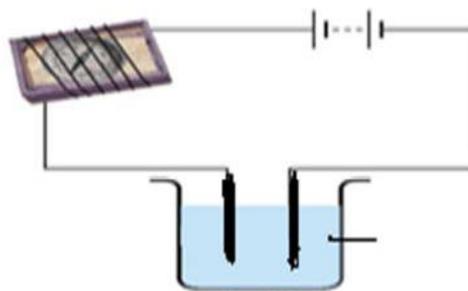
General Instructions:

1. There are 36 questions in this paper.
2. Marks are indicated against each question.
3. Q25 to Q36 are based on practical skills.
4. All questions are compulsory

- 1 Name the polluting gas which reduces the oxygen carrying capacity of blood . 1
- 2 Differentiate between a zoo and a wildlife sanctuary. 1
- 3 Define ignition temperature. 1
- 4 Complete the following table 2

Material	Conduction of heat	Conductor/Insulator of electricity	Ductile and Malleable or not
Metals	Conduct		Ductile and Malleable
Non metals			

- 5 What are Kharif crops? Give two examples 2
- 6 Why do animals migrate from one place to another? Give two examples. 2
- 7 a) Draw the diagram of a candle flame and label the different zones. 3  
b)Distinguish between outermost and middle zone of a candle flame on the basis of  
(i) Type of combustion (ii) Temperature.
- 8 A tester was designed as shown below 3

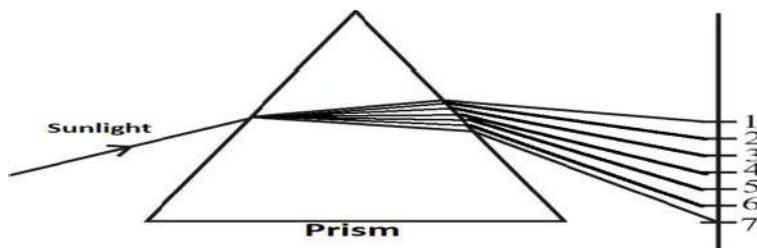


- a) Name the two effects of electric current that are depicted in this tester .
- b) Which device can be used instead of the compass needle in the tester?
- c) When distilled water was used in the beaker, there was no deflection in the compass needle but when a pinch of salt is added to this water, deflection was observed. Why?

- 9 a) Name and define type of reaction is shown in the figure given below. 3



- b) What will be the change in the colour of solution in the beaker?  
c) Give the chemical equation of the reaction involved.
- 10 Radhika collected the gas evolved from burning sulphur powder in a test tube 3
- a) Identify the gas evolved in the test tube  
b) How can it be tested whether it is acidic or basic?  
c) Write the chemical equations for all the reactions taking place in this process.
- 11 List the seven agricultural practices followed by farmers. 3
- 12 Discuss the effects of deforestation on the following 3
- a) Soil b) Wild life c) our future generations.
- 13 Give reason: 3
- a) Spikes are installed on the rooftop of high rise buildings.  
b) It is safe to remain inside the car during thunderstorms.  
c) We should stand on rubber mat or wear rubber slippers while operating electric appliances.
- 14 a) What is Red data book? 3
- b) What will happen if all carnivores in the forest are killed ?  
c) Name a national park in India known for conservation of tigers.
- 15 Draw the nitrogen cycle occurring in nature. 3
- 16 a) Give examples of the following: 3
- i) Two commonly used food preservatives.  
ii) Any two communicable diseases caused by viruses.  
b) Give one difference between an antibiotic and a vaccine.
- 17 A person has difficulty in reading the newspaper. What could be the defect of vision he is suffering from? How can this defect be corrected. Draw ray diagram of the corrected eye. 3
- 18 Study the figure given below and answer the questions that follow 3



- i) Which phenomenon is shown in the figure?

ii) What is the colour obtained at position 2 and 7?

iii) Name and mention the position of the colour that matches the colour of clear sky.

19 Draw the diagram of human eye. Label the following parts and list the functions of each cornea, iris, ciliary muscles and optic nerve. 5

20 (a) Identify and name the device shown in the figure. 5



b) What is it used for?

c) Why do the two foil strips open out when we touch the end of metal cap with a charged pen?

d) What happens to the two foil strips when we touch the end of the metal cap with our hand? Explain why?

21 Draw a well labeled diagram of foam type fire extinguisher. Briefly explain its working. 5

22 a) Why seed drill method is preferred by farmers for sowing seeds? 5

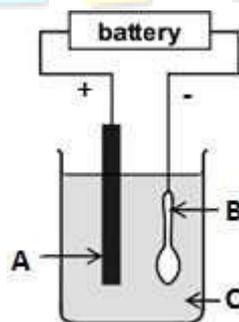
b) Give a method by which we can separate healthy seeds from unhealthy ones.

c) List any two advantages of using manure.

d) Why are grains dried before storing them?

e) What is animal husbandry?

23 In the following diagram iron is coated with copper. 5



a) Name and define the process shown

b) Identify material 'A' and 'B' used as cathode and anode?

c) Name the Solution 'C' used in above setup.

d) Write any one advantages of the process.

24 a) Complete the following table: 5

Disease	Causative agent	Mode of transmission
Measles	A	Air
Malaria	Protozoa	B

b) What is meant by food poisoning? Suggest any two ways by which it can be avoided.

c) Differentiate between algae and fungi on the basis of their nutrition.

d) Draw a labeled diagram of bread mould.

- 25 List the two precautions that should be kept in mind while taking antibiotics. 1
- 26 What is meant by persistence of vision? 1
- 27 Suppose you are inside your home and earthquake strikes. What precautions would you take to protect yourself? 1
- 28 Why is it advised to store pickles in glass jar instead of metal container? 2
- 29 Name the type of irrigation shown below- 1



- 30 What is cataract? How can it be corrected? 1
- 31 Name the scientist who showed that lightning and sparks are essentially the same phenomenon. 1
- 32 Why does the candle extinguish in figure B whereas it continues to burn in figure A? 2

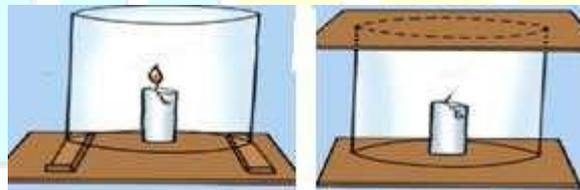


Figure:A

Figure:B

- 33 Why are LED lamps preferred over electric bulbs? 1
- 34 How do microorganisms help to clean our environment? 1
- 35 Mention the electrodes on which hydrogen and oxygen are respectively obtained during electrolysis of water. 1
- 36 Identify the micro-organism shown below. Mention any one viral disease for which vaccine is not available. 2

