

NAVNEETA KUNWAR PUBLIC SCHOOL SUSUWAHI VARANASI 221005

OTBA-2020

Class- VIII - SCIENCE

Time: 3hrs

MM-80

Instruction:-

- Attempt all the questions which are compulsory.
- Questions paper is consist of eight questions which carry their related marks .
- Draw the well labelled diagram for each questions if it is necessary .

Q.1. Tick the most suitable answer in following questions . 1x5=5

- a. Which one is help in Nitrogen fixation in soil.
- | | |
|---------------|------------|
| i)Rhizobium | ii) Human |
| iii Earthworm | iv) Ants |
- b. The calorific value of a fuel is expressed in a unit is called as –
- | | |
|----------------------------|-------------------------|
| i) kilojoule per kilogram | ii) kilojoule per gram |
| iii) Gram per kilojoule | iv) None of the above |
- c. Which one is the purest form of carbon.
- | | |
|------------|----------------|
| i) Coal | ii) leaf base |
| iii) Coke | iv) Diamond |
- d. Angle of incidence is equal to the angle of reflection.
- | | |
|-------------------------------|---------------|
| i) Always | ii) sometime |
| iii) Under special condition | iv) Never |
- e. Loudness of sound can be expressed in a unit which is known as-
- | | |
|---------------|-------------|
| i) Hertz | ii) Newton |
| iii) Decibel | iv) joule |

Q.2. Fill in the blanks. 1x5=5

- a. Unwanted sound is called _____.
- b. The size of pupil becomes _____when you see in dim light.
- c. Damaged seed would _____ on top of water.
- d. Fire produced by oil can not be controlled by _____.
- e. The first step before growing crop is _____of the soil.

Q.3. Mark the true and false for following statements . 1x5=5

- a. Sound can travel in vacuums.
- b. Light always travel on a straight line pathway.
- c. Oxygen is necessary for burning of fuel.
- d. Chemical fertilizers causes soil pollution.
- e. Braille system is used for the visually challenged person.

Q.4. Match the given column-

1x5=5

Column A

Petroleum
Rod cell
Rice
Hertz
Tilling

Column B

Aeration of soil
wax
Retina
Kharif crop
unit of frquency of sound

Q.5. Very short answer type questions.

1x5=5

- a. Define the term crop.
- b. Name the three Rabi crop.
- c. Name the three inflammable substance.
- d. What do means by frequency of sound .
- e. Draw the schematic diagram of regular reflection.

Q.6. Short answer type questions .

2x5=10

- a. Define the term global warming.
- b. Name the various steps of agricultural practices.
- c. What do you means by spontaneous combustion.
- d. Draw the labelled diagram of a candle flame.
- e. A pendulum oscillates 40 times in 4 second. Find its time period and frequency.

Q.7. Long answer type questions .

3x5=15

- a. State the law of reflection.
- b. Explain how we can protect our eye .

c. Name the chemical constituents of head of the match made of suitable wood.

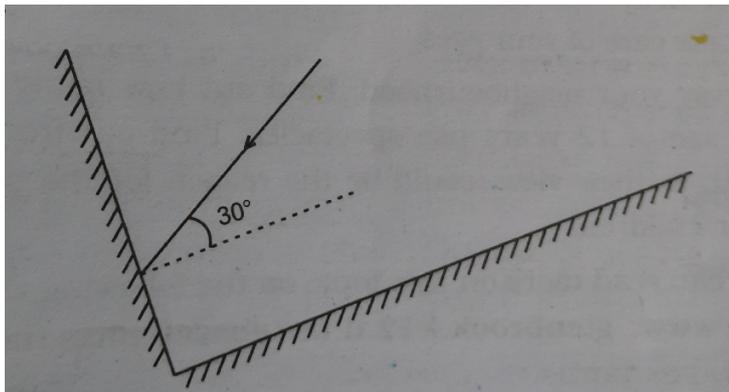
d. Explain how fertilisers are different from manure.

e. What do you mean by audible and inaudible sound ?

Q.8. Very long answer type questions .

5x6=30

a. Two mirrors meet at right angle. A ray of light is incident on one at an angle of 30° as shown in figure . Draw the reflected ray from the second mirror.



b. What are weeds ? How we can control them?

c. Explain how LPG is better domestic fuel than wood .

d. What is irrigation ? Describe any two modern method of irrigation.

e. Describe the process of image formation by a plane mirror with the help of a diagram.

Material	Combustible	Non-combustible
Wood		
Paper		
Iron nails		
Kerosene oil		
Stone piece		
Straw		
Charcoal		
Matchsticks		
Glass		

f. Write 'Yes' or 'No' in related column.
