

DELHI PUBLIC SCHOOL, JAMMU

(Affiliated to CBSE Code 730025)

Topics: Sound, Metals and Non-metals, Cell and Synthetic fibres and Plastics.

Subject: SCJ

Class: VIII

Name:

Date:

A) Multiple Choice Questions:

- 1) Which of the following is not a polyester?
 - a) Terrylene
 - b) Terrycot
 - c) PET
 - d) None of these
- 2) In all synthetic fibres, using raw materials are made up of:
 - a) Acrylic
 - b) Polyester
 - c) Petrochemicals
 - d) None of these
- 3) When a copper vessel is exposed to moist air for long time, it acquires:
 - a) a dull yellow coating
 - b) a dull green coating
 - c) a dull black coating
 - d) none of these
- 4) The process by which metal is extracted from its ore is called-
 - a) Roasting
 - b) Metallurgy
 - c) Reduction
 - d) Concentration
- 5) Which of the following allows the movement of substances or material?
 - a) Cytoplasm
 - b) Plasma membrane
 - c) Tissue
 - d) None of these
- 6) The number of chromosomes in every normal human cell are :
 - a) 23 pairs
 - b) 21 pair
 - c) 22 pairs
 - d) 20 pairs
- 7) The number of vibrations per second is called:
 - a) Speed
 - b) Frequency
 - c) Amplitude
 - d) Time period

8) The musical instruments that produce sound by vibration of a stretched skin are:

- a) Stringed instruments
- b) Wind instruments
- c) Percussion instruments
- d) None of these

9) If the pendulum makes 5 oscillations every second, its frequency is:

- a) 2 hertz
- b) 10 hertz
- c) 5 hertz
- d) 15 hertz

10) Which of the following can be beaten into thin sheets?

- a) Zinc
- b) Phosphorus
- c) Sulphur
- d) Oxygen

B) Very Short Answer Questions:

1) Polymers and PVC are examples of thermoplastics. (T/F)

2) A material which is not easily decomposed by natural processes is called.....

3) What are the constituents of an alloy stainless steel?

4) A non-metal which is liquid, is

5) How is frequency of sound and pitch related?

6) The human ear can hear the sounds of frequencies 20 Hz to 20,000Hz. (T/F)

7) Cotton cloth is biodegradable. (T/F)

8) Can Bakelite be repeatedly softened by heating?

9) What is the function of microphone in the loudspeaker?

10) Which cell in our body is the longest?

C) Short Answer Questions:

Q1) What are the advantages of synthetic fibres over the natural fibres?

Q2) Describe an experiment to show that sound can travel through liquids.

Q3) What are the differences between plant and animal cell?

D) Long Answer Questions:

Q1) Draw and explain the structure of human ear?

REVISION SHEET

Topics-Crop production, Microorganisms, Coal and petroleum

A. Multiple Choice Questions.

- To prevent self fertilization in plants which among the following process is involved
a)Winnowing b)Emasculation c)Plant breeding d) Hybridisation
- The Advantage of ploughing is
a) It allows the penetration of roots of plants.
b) It helps in proper aeration and eradicates weeds.
c) It promotes the growth of useful bacteria.
d) All of these
- A weed that is commonly found between crop is
a) Mint b) Peas c) Amaranthus d) None of these
- The best variety of coal is
a) Bituminous coal b) Lignite c) Anthracite d) None of these
- Which of the following place has a network of pipelines which supply CNG
a) Kanpur b) Vadodara c) Jhansi d) Bhopal
- The slow process of conversion of dead vegetation into coal is called as
a) Refining b) Destructive distillation c) Carbonization d) Fractional distillation
- What does our body produce to fight against the diseases when microbe enters our body?
a) Antigens b) Pathogens c) Antibodies d) Antibiotics
- Which of the following is a unicellular green algae.
a) Chlamydomonas b) Laminaria c) Spirogyra d) Fucus
- Which of the following bacteria is involved in fixation of nitrogen in leguminous plants?
a) Rod shaped bacteria b) Spiral bacteria c) Rhizobium d) Spherical bacteria
- Which of these do not have a regular cell structure.
a) Bacteria b) Viruses c) Algae d) protozoa

A. FILL UPS

- Growing different crops alternately on the same land is a technically called _____
- Rust and smut are fungal diseases of _____
- A technique used for developing new varieties of crops by cross breeding two different varieties is called _____
- The world's first oil well to yield petroleum was dug in _____
- Naphthalene balls are obtained from _____
- Inexhaustible natural resources in nature are _____
- The curd contains _____ a bacterium which helps to change the milk into curd.
- The common chemicals generally used to check the growth of microorganisms are known as _____
- Streptomycin is an _____
- _____ is introduced into the body during vaccination.

B. Define the following: Mixed cropping, compost, Fungi, Fossil fuels.

C. Short Answer Questions.

- Why should grains be dried before storage?
- What are the advantages of using natural gas as a fuel?
- What preventive measures should be taken while spraying pesticides?

E. Long Answer Questions .

- Explain why it is true that microbes are essential part of our life