



GRADE: VII	SUBJECT: Science	DATE: .2024	TIME:3 HRS	MARKS: 60Marks
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Section -A

MCQS

(16QX1M=16M)

- Micro-organisms act upon the dead plants and animals to produce _____
a) Sand b) clay c) humans d) would
- The wastewater produced and released by hospitals is
a) domestic sewage b) commercial sewage c) industrial sewage d) rainwater
- The use of electric fuse is based on the _____ effect of current
a) Heating b) Chemical c) Magnetic d) physical
- Makeup mirrors are _____ mirrors
a) convex b) concave c) plane d) all of these
- Ripened ovary is known as _____
a) Fruit b) flower c) embryo d) seed
- Deforestation causes decrease in
a) rainfall b) Temperature c) pressure d) Wind
- If a car is running at a constant speed of 60 km/hour it will cover _____ in a quarter hour
a) 60 km b) 30 km c) 45 km d) 15 km
- The underground network of interconnected pipes is called _____
a) sewage b) sewers c) sewerage d) saving
- Which of the following is not a circuit element
a) Bulb b) switch c) electromagnet d) wire
- A concave lens always produce a _____
a) a real inverted and magnified image b) real inverted and diminished image
c) virtual erect and magnified image d) virtually rectangle diminished image
- The deoxygenated blood is pumped into lungs from _____
a) Right ventricle b) Right atrium c) Left atrium d) Left ventricle
- Insect pollinated flowers are _____
a) large b) bright coloured c) scented d) all of these
- An aircraft flying at a constant speed in a straight path is an example of _____ motion.
a) non uniform b) random c) Uniform d) periodic
- The organic Impurities present in the Sewage are
a) bacteria b) phosphorus c) Human faeces d) Nitrates
- Forests have been cleared for
a) agriculture b) industry c) Housing d) all of these
- Does the blood carry from the small intestine to all the cells of the body
a) Oxygen b) Digested food c) Hormones d) carbon dioxide

17.Fill in the blanks

(6QX 1/2M=3M)

- The spreading of white light into seven colours is _____ called of light
- _____ Is distance travelled by time taken.

iii. Planting more and more trees to save the environment is called _____

v. No application works when the circuit is _____

vi. Discharge of untreated sewage into water bodies causes _____

18. True or false

(6QX1/2M=3M)

i. Several food chains of a region interconnected to form a food web.

ii. Light always travel in a straight line.

iii. Sewage is a solid waste.

iv. The distant time for a uniform motion is a curved line.

v. The Ovual present in the ovary Growth to become a seed.

vi. Current carrying wire behaves like a spring.

19. Match the following

(6QX1/2M=3M)

A

B

a. organic impurities

i. sports time intervals

b. Afforestation

ii. battery

c. mirror

iii. Dispersal by explosion

d. Combination of cells

iv. animal waste

e. Stop clock

v. image

f. Castor

vi. First week of July

SECTION -C

20. Very short answer questions

(3QX2M=6M)

i) Salma takes 15 minutes from her house to reach her school on a bicycle. If the bicycle has a speed of 2 m/s, calculate the distance between her house and the school.

ii) What will happen if all seeds of a plant were to fall at the same place and grow there?

iii) Why a fused bulb does not glow?

SECTION -D

21. short answer questions (any 5)

(5QX3M=15M)

i) Explain how animals dwelling in the forest help it grow and regenerate.

ii) What is sewage? Explain why it is harmful to discharge untreated sewage into rivers or seas.

iii) State the characteristics of the image formed by a plane mirror.

iv) When the current is switched on through a wire, a compass needle kept nearby gets deflected from its north-south position. Explain.

v) The odometer of a car reads 57321.0 km when the clock shows the time 08:30 AM. What is the distance moved by the car, if at 08:50 AM, the odometer reading has changed to 57336.0 km? Calculate the speed of the car in km/min during this time. Express the speed in km/h also.

SECTION- E

22. Long answer questions

1. What is sludge? Explain how it is treated.

2. Draw Newton's disc? Explain the phenomenon on which it works.

B) Give one use each of a concave and a convex mirror.

23. Case based question

Forest is a large area of land covered thickly with different kinds of trees the shrubs herbs grasses etc. Forest is a home of too many animals and plant species forest cover approximately $\frac{1}{3}$ of the Earth's total land surface.

Plants and animals depend on forest for various purposes

- a) Name any four products we get from forest.
- b) Why are forest called as Green Lungs?
- c) What is food chain?
- d) Name any two causes of deforestation.