SAMPLE PAPER

TERM II SAMPLE PAPER -1 2021-22
SUBJECT – SCIENCE
TIME – 2 HOURS CLASS VII MM-40

General instructions –

(i) The question paper comprises three sections A, B and C. You are to attempt all the three sections.
(ii) All questions are compulsory.
(iii) Questions 1 to 10 in section A are multiple choice questions.
(iv) Questions 11 to 19 in section B are two marks questions. These are to be answered in 30 words each.
(v) Questions 20 and 22 in section C are four marks questions.

SECTION A

Multiple Choice Questions – 1x10 = 10

1. Which factor influences soil formation ?
(a) Climate (b) Vegetation (c) Parent rock (d) All of these
2 During heavy exercise, we get cramps in the legs due to the accumulation of -
(a) Carbon dioxide (b) Lactic acid (c) Alcohol (d) Water
3 Which of the following always carries oxygenated blood -
(a) Arteries except pulmonary artery
(b) Veins except pulmonary vein
(c) Blood capillaries
(d) None of these
4 Mature ovary forms the -
(a) Seed (b) Stamen (c) Pistil (d) Fruit
5 A simple pendulum takes 42 sec to complete 20 oscillations. What is its time period?
(a) 2.1s (b) 4.2s (c) 21s (d) 8.40s
6 The coil of wire contained in an electric heater is known as -
(a) Component (b) Element (c) Circuit (d) Spring
7 Image formed by a plane mirror is -
(a) Virtual and erect (b) Real and erect (c) Virtual and inverted (d) Real and inverted
8 Which year was observed as international year of fresh water ?
(a) 2003 (b) 2004 (c) 2006 (d) 2002
9. Roof of the forest made by the branches of the tall trees is called -
(a) Canopy (b) Crown
(c) Under storeys
(d) None of these
10. Sludge in separate tanks is decomposed to get biogas by -
(a) Yeast (b) Aerobic bacteria (c) Anaerobic bacteria (d) None of these

SECTION B 2x9=18

11. Write differences between clayey soil and sandy soil.
12. Why do we feel hungry after a heavy exercise and activity?
13. Draw a neat and labelled diagram of human excretory system.
14. Salma takes 15 minutes from her house to reach her school on a bicycle. If the bicycle has a speed of 2m/s, calculate the distance between her house an the school.

15. Define – Fertilisation , Pollination
16. (a) On which effect of electric current does electric iron works?
    (b) Name the device used in our houses which protects damages to electrical circuits when current exceeds the safe limit accidentally.
17. How many colours are found in rainbow? Name them.
18 Explain the role of forest in maintaining the balance between oxygen and carbon-dioxide in the atmosphere.
19 What are the main reasons for increasing scarcity of fresh water? (any four)

OR

(a) Write the full form of WWTP?
(b) Name the three steps involved in the treatment of polluted water.

SECTION C 4x3=12

20. (a) Draw a neat and labelled diagram of human respiratory system.
    (b) Write one difference between aerobic and anaerobic

21. (a) What is rainwater harvesting ?
    (b) What role can you play to overcome water problem?
22 (a) Draw neat diagrams of concave and convex lenses.
(b) Write one difference between concave and convex lens.
(c) Why should we not look at the sun through convex lens?
(d) Which type of lens forms always a virtual image?

OR

(a) Write differences between real and virtual image.
(b) State two uses of concave mirror.
(c) What type of image is formed by a concave mirror?
(d) What type of mirror is used in scooters?