

07.03.2024

Standard 8

Time: 1.30 Hours

SCIENCE

Marks: 50

I. Choose the best answer**10x1=10**

- 1) A magnet attracts
 - a) wooden materials
 - b) any metal
 - c) copper
 - d) Iron and steel
- 2) MRI stands for
 - a) Magnetic Resonance Imaging
 - b) Magnetic Running Image
 - c) Magnetic Radio Imaging
 - d) Magnetic Radar Imaging
- 3) Mangalyaan was sent to
 - a) Moon
 - b) Mars
 - c) Venus
 - d) Mercury
- 4) Which of the following is the working principle of Rockets?
 - a) Newton's first law
 - b) Newton's second law
 - c) Newton's third law
 - d) All the above
- 5) Which is known as syn gas?
 - a) Marsh gas
 - b) water gas
 - c) producer gas
 - d) coal gas
- 6) is the coal of superior quality
 - a) peat
 - b) Lignite
 - c) Bituminous
 - d) Anthracite
- 7) The main component of natural gas is
 - a) methane
 - b) ethane
 - c) propane
 - d) butane
- 8) The process of placing seeds in the soil is called as
 - a) ploughing
 - b) sowing
 - c) crop production
 - d) crop rotation
- 9) Organisms that control insects and pests of plant crop is
 - a) bio-pesticides
 - b) bio-fertilizers
 - c) earthworms
 - d) neem leaves
- 10) Effective micro organism preparation is not used in
 - a) seed treatment
 - b) foliar spray
 - c) soil treatment
 - d) bio-predators

II. Answer any 7 questions. Q.No. 20 is compulsory.**7x2=14**

11) Define magnetic field

12) **Fill in the blanks**

- a) A magnet has magnetic poles
- b) Magnets are used in for generating electricity

14) Match the following

- a) Chandrayaan - Fuel
 b) Mangalyaan - Moon
 c) Cryogenic - First manned mission to the moon
 d) Apollo-8 - First man landing mission to the moon
 e) Apollo-11 - Mars

15) Say True or False. If false correct the statement

- a) PSLV and GSLV are India's popular satellites
 b) The propellant of a rocket is only in the form of solids

16) What do you mean by catenation?

17) Solar energy is a non depleting energy. Justify

18) What do you mean by weeding?

19) What is crop rotation?

20) Earth acts as a huge bar magnet. Why? Give reasons

III. Answer any three of the following.

SIVARUMAR.M

Sri Ram Mathic HSS

3x4=12

Valluvar-627809

Tenkasi Dist.

21) List out the uses of magnets

22) a) What are celestial objects?

b) Name the Indians worked at NASA

23) Distinguish between octane number and cetane number

24) What are the objectives of Chandrayaan - 1

25) a) Name the methods of sowing.

b) What is green manure?

IV. Answer in Detail.

2x7=14

26) a) Write a note on Earth's magnetism

(OR)

b) Explain the part of a rocket.

27) a) Explain the different types of coal

(OR)

b) Give a detailed account on Irrigation.
