

# THIRD MID TERM TEST - 2023

## Standard - VIII

### SCIENCE

Time: 1.30 hrs

Marks:50

Part - I

15x1=15

I. Choose the correct Answer.

- One of the following is an example for a permanent magnet  
 a) Electromagnet                      b) Mumetal                      c) soft iron                      d) Neodymium
- The south pole of a bar magnet and the North pole of a U-shaped magnet will  
 a) attract each other                      b) repel each other  
 c) neither attract nor repel each other                      d) none of the above
- A compass is used for  
 a) plotting magnetic lines                      b) detection of magnetic field  
 c) navigation                      d) all of the above
- Mangalyaan was sent to  
 a) moon                      b) mars                      c) venus                      d) mercury
- \_\_\_\_\_ is called as Red planet.  
 a) Mercury                      b) Venus                      c) Earth                      d) Mars
- The chemical mixed with LPG that helps in the detection of its leakage is  
 a) Methanol                      b) Ethanol                      c) Camphor                      d) mercapton
- The unit of calorific value of fuel is  
 a)  $\text{KJmol}^{-1}$                       b)  $\text{KJg}^{-1}$                       c)  $\text{KJKg}^{-1}$                       d)  $\text{JKg}$
- The main component of natural gas is  
 a) Methane                      b) Ethane                      c) Propane                      d) Butane
- Which is known as syn gas?  
 a) Marsh gas                      b) water gas                      c) producer gas                      d) coal gas
- \_\_\_\_\_ is the coal of superior quality?  
 a) Peat                      b) Lignite                      c) Bituminous                      d) Anthracite
- The process of placing seeds in the soil is called as  
 a) ploughing                      b) sowing                      c) crop production                      d) crop rotation
- Organism that controls insects and pesta of plant crops is  
 a) bio-pesticides                      b) bio-fertilizers                      c) earthworms                      d) neem leaves
- Which of the following is not present in panchagavya?  
 a) cow dung                      b) cow's urine                      c) curd                      d) sugar
- The Red Data book gives a list of  
 a) endemic species                      b) extinct species                      c) natural species                      d) none of these
- In situ conservation is  
 a) off site conservation                      b) on site conservation                      c) both a and b                      d) none of these

(2)  
Part - II

## VIII Science

10x2=20

## II. Answer any 10 of the following:

16. Define magnetic field.
17. Distinguish between Natural and artificial magnet.
18. Earth acts as a huge bar magnet. Why? Give reasons.
19. Define galaxy.
20. Match the following:
 

i) Chandrayaan	-	First man landing mission to the moon
ii) Mangalyaan	-	Moon
iii) Cryogenic	-	Mars
iv) Apollo - 18	-	Fuel
21. What do you mean by catenation?
22. Expand CNG. List out its uses.
23. Name the places in Tamil Nadu harnessing wind energy from wind mills.
24. Fill in the blanks
  - i) ..... is known as Marsh gas
  - ii) The term Petroleum means .....
25. Match the following
 

i) Octane rating	-	diesel
ii) Cetane rating	-	Methane
iii) simplest hydro-carbon	-	First stage coal
iv) Peat	-	Petrol
26. Define ploughing
27. What do you mean by weeding?
28. What is crop rotation?
29. Fill in the blanks:
  - i) Red Data book is maintained by .....
  - ii) ..... is observed as World Wild life Day.
30. What is Global warming?

## Part III

## III. Answer any 3 of the following:

3x5=15

31. List out the uses of magnets.
32. How will you convert a 'nail' into a temporary magnet?
33. What are the achievements of Chandrayan - 1?
34. Explain the agricultural practice.
35. What is deforestation? Explain the causes and effects of deforestation.
36. Explain the different types of coal.