

Genius high school (2020-2021)

Summative Assessment-1

Class-VIII

Science

Max marks: 50

Time allowed: 2 hrs

Section- a

ANSWER THE FOLLOWING QUESTIONS

(10x1=10)

1. Give two examples of contact force?
2. What do you mean by pressure?
3. What is the similarity between electrostatic and magnetic forces?
4. Give some examples of fossil fuels?
5. Which of the following is regarded as the best variety of cell?
a) Bituminous b) lignite c) anthracite d) peat
6. Metals are _____ conductors of heat and _____?
7. Like synthetic fibres , plastic is also a _____?
8. Which of the following features will help you in distinguishing a plant cells from an animal cell?
a) Cell wall b) cell membrane c) mitochondria d) nucleus.
9. Identify the instrument given below and write a short note on it.



10. In legumes , the root nodules contain which type of bacteria

Section- b

ANSWER ANY FIVE OF THE FOLLOWING FIVE QUESTIONS

(5X3=15)

11. Define nucleus and state its major parts and explain them?

OR

State any three differences between plant cell and animal cell with the help of diagrams?

12. Write a short note on the following modern methods of irrigation?

a) Sprinkler system

b) Drip irrigation

13. Define the different types of forces?

14. Demonstrate an experiment to show that liquids exert pressure on the walls of the container?

15. "Avoid plastics as far as possible" comment on this advice?

Section - c

ANSWER ANY FIVE OF THE FOLLOWING QUESTIONS

(5x5=25)

16. Draw a labeled diagram showing the fractional distillation of petroleum. Give the uses of any three fractions.

17. Explain chemical properties of metals with examples?

18. How are metals useful to us?

19. What is pressure ? what is the relation of pressure with area on which it is applied?

20. Farmers , practice several agricultural activities over a period of time?

a) List all the activities performed by farmers during cultivation of crops.

b) Explain any two activities in detail?

21. Mention any three ways through which pathogens are transmitted?