

NORTH-EX PUBLIC SCHOOL (RECOGNISED)

Half yearly Examination (2020-21)

Class:-VIII Subject:- Science

M.M:- 80

TIME:-2 hrs

* Required

1. Name *

2. Roll No *

3. Section *

Mark only one oval.

A

B

General Instructions

Attempt all questions. There are 33 questions in paper.

Paper is divided into four sections.

Section A consists of 14 MCQs of one mark each.

Section B consists of 3 practical based questions of two marks each.

Section C consists of 10 short answer type questions of three marks each.

Section D consists of 6 long answer type questions of five marks each.

SECTION A

4. 1. The best quality of coal that contains over 85-95% carbon is

1 point

Mark only one oval.

- Peat
- Lignite
- Anthracite
- Bituminous

5. 2. The substances with high ignition temperature are called

1 point

Mark only one oval.

- Flammable
- Non-flammable
- Exhaustible
- Inexhaustible

6. 3. Pressure can be calculated using the equation

1 point

Mark only one oval.

- $P = F/A$
- $P = F \times A$
- $P = A/F$
- $F = P/A$

7. 4. The device used to measure the liquid pressure is

1 point

Mark only one oval.

- Barometer
- Thermometer
- Manometer
- Measuring tape

8. 5. is one major gas responsible for global warming.

1 point

Mark only one oval.

- Sulphur dioxide
- Carbon dioxide
- Nitrogen dioxide
- Oxygen

9. 6. Which of the following is the heat energy generated and stored inside the Earth?

1 point

Mark only one oval.

- Earth energy
- Tidal energy
- Heat energy
- Geothermal energy

10. 7. Which of the following is a blended fabric?

1 point

Mark only one oval.

- Polythene
- Terylene
- Polywool
- Bakelite

11. 8. The long chain of ethene molecules forms

1 point

Mark only one oval.

- Terylene
- Polyethene
- Cotton
- Nylon

12. 9. Identify the suicide bags of the cell

1 point

Mark only one oval.

- Lysosome
- Chloroplast
- Mitochondria
- Golgi bodies

13. 10. Who discovered the cell?

1 point

Mark only one oval.

- Newton's
- Pascal
- Virchow
- Robert Hooke

14. 11. Which of the following is a contact force?

1 point

Mark only one oval.

- Muscular force
- Electrostatic
- Gravitation
- Magnetic

15. 12. An object dropped from a height come down due to force

1 point

Mark only one oval.

- Gravitational
- Magnetic
- Muscular
- Electrostatic

16. 13. The SI unit of pressure is

1 point

Mark only one oval.

- Newton
- Pascal
- Metre
- Kilogram

17. 14. Deforestation leads to

1 point

Mark only one oval.

- Overgrazing of cattle
- Soil conservation
- Acid rain
- Soil erosion

SECTION B

18. 15 . Name the three zones of a candle flame.

19. 16. Write one difference between plant cell and animal cell.

20. 17. How does atmospheric pressure change with depth?

SECTION C

21. 18. Name three types of combustion.

22. 19. What are the conditions necessary for any fuel to burn?

23. 20. Why are dams built with a larger base?

24. 21. Give two properties of liquid pressure.

25. 22. What does a windmill do?

26. 23. What is solar energy?

27. 24. Why is acid transported in plastic containers?

28. 25. Write the contribution of Anton van Leeuwenhoek.

29. 26. What are the two effects of forces?

30. 27. Give one example where friction is necessary.

SECTION D

31. 28. How are forests useful to us? write any three points

32. 29. Differentiate between force and pressure

33. 30. Give four characteristics of an ideal fuel.

34. 31. Write four synthetic fibres and give one use of each.

35. 32. Why are cells stained before observing under microscope ?Give a few example of stains

36. 33. Define friction. What are its cause? Mention two ways by which we can reduce friction.
