

# NORTH-EX PUBLIC SCHOOL (RECOGNISED)

Half yearly Examination ( 2020-21)

Class:-VIII      Subject:- Science

M.M:- 80

TIME:-2 hrs

\* Required

1. Name \*

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2. Roll No \*

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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.

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

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

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## SECTION C

21. 18. Name three types of combustion.

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

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

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24. 21. Give two properties of liquid pressure.

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25. 22. What does a windmill do?

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26. 23. What is solar energy?

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

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

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

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

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#### SECTION D

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

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32. 29. Differentiate between force and pressure

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

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

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

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

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