

**JEM FOUNDATION SCHOOLS**  
**(FINAL EXAMINATION 2018-19)**

**Class: VIII**

**Subject: Science**

**TIME:-3hours**

**F.M.:- 80**

**General Instruction:-**

- (i) All questions are compulsory.**
- (ii) Question no.1 to 14 carries 1 mark each.**
- (iii) Question no.15 to 22 carries 2 marks each.**
- (iv) Question no. 23 to 32 carries 3 marks each.**
- (v) Question no. 33 to 36 carries 5 marks each.**

1. Magnesium ribbon burns in air to form magnesium oxide. What is the nature of this oxide? Write the reaction of the litmus paper with the aqueous solution of magnesium oxide.
2. Define dispersion of light .
3. What do you mean by regular and defused reflection
4. What are exhaustible natural resources? Give an example.
5. What are gametes?
6. Which combination of chromosomes leadsto the birth of a baby?
7. What is focus and tectonic plates ?
8. Name the larva of butterfly.
9. What is natural gas? Name the main constituent of natural gas.
10. What is an ore? Name one ore of aluminium.
11. What does a lighting conductor do?
12. Which gland is known as master gland and why?
13. What does incomplete combustion of a fuel produce?
14. What do you mean by ignition temperature?
15. How does water help to control the fire?
16. An owl can see even in complete darkness but we can not, why?
17. What is internal fertilization? Give two examples.
18. Define - a) kaleidoscope b) Seismic zone.
19. Why is personal hygiene and physical exercise is important at adolescence?
20. What is a displacement reaction? Give one example to explain this by writing a chemical reaction.
21. Name different types of combustion. Give one example of each type of combustion.
22. What are the chemical messangers ? Why are they called so?
23. Describe the working of human eye.
24. Differentiate between- a) embryo & foetus b) ovulation & parturition c) offspring & clone
25. What is coal? How is it formed?
26. What is metamorphosis? In what way a tadpole differs from an adult frog?
27. What are natural gases ? Which gas is the main constituents of natural gas.
28. (a) What is reactivity series.  
(b) How do metal react with oxygen and water.
29. What is adolescence? What is the age of adolescence in human? Why adolescence is also called teenage .
30. How can you protect yourself if you trapped in collapsed building? Write any three ways of protection.
31. What are the conditions necessary for combustion to occur?

32. Write 3 differences between metals and nonmetals.

33. What is fire fighting? Write the three steps to fight a fire. How can water control the fire.

OR

What type of substances give flame? When are luminous and nonluminous flames are produced?

34. What is budding? Explain budding with the help of a suitable example.

OR

Briefly explain in –vitro fertilization with example.

35. What is periscope? Describe the working with the help of diagram.

OR

What do you mean by defect of vision? Write types of defect of vision and define them.

36. What is an electroscope? Describe the working of an electroscope.

OR

A) What are the types of charges?

B) Write SI unit of charge.

C) When two objects are rubbed with each other they get charged. Why?