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**CBSE Class 8 Science**

**SA-II, Set 1**

**Session 2011-2012**

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**General Instructions:**

- All questions are compulsory.
  - Question No. 1 to 10 carry 1 mark each.
  - Question No. 11 to 18 carry 2 marks each.
  - Question No. 19 to 26 carry 3 marks each.
  - Question No. 27 to 30 carry 5 marks each.
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1. Name any two combustible substances.
2. Which part of a cell contains organelles?
3. Name the female hormone responsible for development of secondary sexual characters.
5. Name the organ which produces female gamete.
6. Name any two types of non-contact forces.
7. Which part of musical instrument-Dholak vibrates to produce sound?
8. Which of the following is a good conductor of electricity?  
  
Lemon juice, pure water, salted water.
9. Define electroplating.
11. Which zone of a flame does a goldsmith use for melting gold and silver and why?
12. Differentiate between internal fertilization and external fertilization. Give one example for each.
13. Name any two endocrine glands and the hormones secreted by them.

fill in the blanks:

(a) To draw water from a well we have to..... the rope.

(b) A charged body. an uncharged body towards it.

(c) To move a loaded trolley We have to..... it.

(d) The north pole of a magnet so the north pole of another magnet.

15. Explain why objects moving in fluids must have special shapes.

16. Mention against each of the following whether regular or diffused reflection will take place when a beam of light strikes:

(a) Polished wooden table

(b) Chalk powder

(c) Cardboard surface

(d) Mirror

17. (a) State the relation between angle of incidence and angle of reflection in case of plane mirror:

What is the size of image formed by a plane mirror?

18. What are air pollutants? Name any two air pollutants.

19. Make a labelled diagram of a candle flame:

20. Correct the following statements:

(a) The basic living unit of an organism is an organ.

(b) Nucleus is separated from cytoplasm by a cell-membrane.

(c) Egg cell of an ostrich is the smallest cell.

21. Compare the three types of frictions

Static, sliding and rolling.

22. Give an activity to show that liquids exert pressure on the walls of the container.
23. (a) Name the groups of solutions which conduct electricity.
- (b) Is it safe for the electrician to carry out electrical repairs outdoor during heavy downpour? Explain
24. suppose you are in a darkroom. Can you see objects in the room? Can you see objects outside the room? Explain.
25. Why adolescents should be careful about what they eat? Mention what their meal should consist of and what is should not?
26. Describe the “Green House Effect in your own words.
27. Define asexual reproduction. Draw various stages of binary fission in amoeba and label them.
28. Give one word for the following:
- (a) Number of oscillations per second.
- (b) The maximum displacement of the particles of a vibrating body.
- (c) Unpleasant sound.
- (d) Unit to express frequency.
- (e) Organ that produces sound in humans.
29. What is potable water? List any three methods to make water potable.
30. Draw a labelled sketch of the human eye.