1. What function does chromosome perform in a cell? (1)
2. Define calorific value of a fuel and write its SI unit. (1)
3. Name an animal which undergo budding for reproduction. (1)
4. What changes occur in the voice of boys at the onset of puberty? (1)
5. After how much time Halley’s comet is seen? (1)
6. Name the part of an eye which gives distinctive colour to it. (1)
7. Which gas is responsible for depletion of ozone layer? (1)
8. Mention the conditions due to which petroleum is formed under the sea. (1)
9. Give the functions of cell wall in plants. (2)
10. Differentiate between exhaustible and inexhaustible natural resources. Give an example of each. (2)
11. When an object is kept in front of a plane mirror, an image is formed. Write any two characteristics of the image so formed. (2)
12. With the help of a diagrammatic representation, show the sex determination in human beings. (2)
13. Which two characteristics of fuel make it a good fuel? (2)
14. Venus is called as a morning or an evening star. Why? (2)
15. Define Fertilization. Differentiate between external fertilization and internal fertilization. (2)
16. How is earthquake caused? (2)
17. Draw the labeled diagram of a human eye. (3)
18. Suggest any three preventive measures to protect ourselves from lightning. (3)
19. (i) What are fossil fuels? (1+2)
(ii) PCRA has given certain tips to the people of India for saving petrol and diesel. List them.
20. (i) Why cell is known as a structural unit of life? (2+1)
(ii) The Plasma Membrane is porous in nature. Why?
21. (i) Mention the role of hormones in initiating reproductive function. (2+1)
(ii) Which hormone is responsible for controlling diabetes. Name the endocrine gland secreting it.
22. Write any three causes of air pollution. (3)
23. Explain the process of binary fission in amoeba with the help of a well labeled diagram. (3)
24. (i) What will happen if
   (a) a charged balloon is brought near an another charged balloon
   (b) a plastic comb rubbed with dry hair is brought near bits of paper (2+2)
(ii) How tall buildings are protected from lightning?
25. (i) Mention any two necessary conditions required for keeping the reproductive health fit. (2+2)
(ii) What is meant by menarche and menopause?
26. (i) Differentiate between regular and irregular reflection. (2+2)
(ii) Describe the principle behind moving picture.
27. (i) Draw a labeled diagram of candle flame showing different zones. (3+1)
(ii) State the difference between rapid combustion and spontaneous combustion.
28. (i) Who discovered the cell and how? (2+2)
(ii) Differentiate between animal cell and plant cell on the basis of plastids and acuoles.
29. (i) Why from space the Earth appears blue green in colour? (1+1+3)
(ii) Earth is little tilted. Why?
(iii) How will you locate Sirius with the help of Orion? Draw the diagram to explain it.
30. (i) How does the increased level of chemical fertilizers in water affect the survival of aquatic organisms? (2+3)
(ii) What is global warming? How is it caused?
31. (i) Write any three constituents of petroleum and mention one use of each. (3+2)
(ii) What are the advantages of using CNG as a fuel?
NAME: ____________________  CLASS: ____________  ROLL NO. ____________

APEEJAY COMMON EXAMINATION, 2013

CLASS-VIII

SCIENCE MCQ

SUMMATIVE ASSESSMENT II

SET-I

TIME ALLOWED: 15 MINS.  MAXIMUM MARKS: 10

General Instructions:
1. This question paper consists of 10 questions. Each question carries 1 mark.
2. Put (x) against the correct option.

1. The cell that controls and coordinates the working of different parts of the body.
   (i) Muscle cell  (ii) Nerve cell
   (iii) Red blood cell  (iv) White blood cell

2. Which hormone helps the body to adjust to stress?
   (i) Thyroxine  (ii) Insulin
   (iii) Adrenalin  (iv) Growth hormone

3. Which of the following material will not produce flame on burning:
   (i) Magnesium  (ii) Candle
   (iii) Charcoal  (iv) Kerosene stove

4. The red planet in the solar system is:
   (i) Mars  (ii) Venus
   (iii) Earth  (iv) Jupiter

P.T.O.
5. A tadpole develops into an adult frog by the process of
   (i) Fertilization (ii) Budding
   (iii) Menstruation (iv) Metamorphosis

6. Potable water is:
   (i) water which is suitable for drinking
   (ii) water which is contaminated with chemicals
   (iii) water which looks clear and without any smell, but contaminated
   (iv) water used in factories for different purposes

7. How many mirror strips are used to make a kaleidoscope?
   (i) One (ii) Two
   (iii) Three (iv) Four

8. Incomplete combustion of fuel produces
   (i) Carbon monoxide (ii) Nitrogen dioxide
   (iii) Carbon dioxide (iv) Sulphur dioxide

9. An inflated balloon, which is rubbed, sticks to a wall due to:
   (i) current electricity (ii) static electricity
   (iii) air inside the balloon (iv) both (i) and (ii)

10. The part of the eye on which image is formed
    (i) Pupil (ii) Iris
    (iii) Cornea (iv) Retina