

**INTERNATIONAL INDIAN SCHOOL, DAMMAM**

**SUMMATIVE ASSESSMENT – II                      MARCH- 2015**

**SUBJECT: GENERAL SCIENCE**

**TIME: 3 Hrs.**

**CLASS: VII**

**MAX MARKS: 90**

**SET – A**

**GENERAL INSTRUCTIONS**

- 1. Read all the questions carefully.**
- 2. All the answers to be written on the answer sheet provided.**
- 3. Total number of questions - 48. All questions are compulsory.**

**SECTION – A**

**I. Choose the correct answer from the following options: ( 1x15 =15marks)**

1. Conduction is the method of transfer of heat in \_\_\_\_\_ .  
a) Liquids            b) Gases            c) Solids            d) Vacuum
2. Breathing is a part of \_\_\_\_\_ .  
a) Respiration      b) Circulation      c) Digestion      d) Excretion
3. The fusion of male and female gametes is called \_\_\_\_\_ .  
a) Pollination      b) Fertilization      c) Fragmentation      d) Budding
4. The coil of wire contained in an electric heater is known as  
a) Filament          b) Electromagnet      e) Fuse              d) Element
5. The organ of the body in which the blood is oxygenated  
a) Lungs              b) Heart              c) Liver              d) Kidney
6. The image which can be obtained on a screen is called \_\_\_\_\_  
a) Inverted          b) Erect              c) Real              d) Virtual
7. Who discovered magnetic effect of current?  
a) Michael Faraday    b) H C Oersted    c) Alexander Fleming    d) William Nicholson
8. The traditional way of collecting water.  
a) Aquifer            b) Water table      c) Bawris            d) Rain water harvesting

9. \_\_\_\_\_ is used as side view mirror in vehicles.  
a) Concave mirror    b) Convex lens    c) Convex mirror    d) Plane mirror
10. The normal body temperature of man.  
a) 37° F    b) 37° C    c) 37 K    d) 98° C
11. The accumulation of \_\_\_\_\_ causes muscle cramps.  
a) Carbon dioxide    b) Alcohol    c) Lactic acid    d) Glucose
12. Which one of the process generates a force which pulls water absorbed by the roots?  
a) Respiration    b) Transpiration    c) Infiltration    d) Photosynthesis
13. \_\_\_\_\_ is not a part of pistil.  
a) Filament    b) Ovary    c) Style    d) Stigma
14. In fishes, excretory substance is:  
a) Urea    b) Uric acid    c) Ammonia    d) Lactic acid
15. In electric kettles which effect of current is used.  
a) Heating effect    b) Chemical effect    c) Magnetic effect    d) None of these

### SECTION - B

**II. Name the following** (1x4 = 4marks)

16. The process of seeping of water into the ground.
17. Fertilized egg
18. The fluid part of the blood.
19. Small openings on the sides of the body of insects.

**III. Fill in the blanks** (1x3 = 3marks)

20. \_\_\_\_\_ are involved in clotting of blood.
21. The technique of watering plants by making use of narrow tubings is called \_\_\_\_\_.
22. The temperature of boiling water can be measured by \_\_\_\_\_ thermometer.

**IV. Rewrite the false statements correctly** (1x2 = 2marks)

23. Concave lens is converging in nature.
24. An embryo develops into a zygote.

**V. 25. Match the following**

**( $\frac{1}{4} \times 4 = 1$ marks)**

a) Bud	-	Bread mould
b) Eyes	-	Yeast
c) Wings	-	potato
d) Spores	-	Maple

**SECTION – C**

**VI. Answer the following in one or two sentences.**

**( 2 x 10 = 20marks)**

26. a) What are stomata?

b) Define:- Breathing rate.

27. Explain the term ' dispersion of light 'with a neat diagram.

28. What are the advantages of vegetative propagation?

29. Draw a circuit diagram for an open circuit.

30. a) Why is it necessary to remove waste products from the body?

b) Name the process of filtering the blood periodically through an artificial kidney.

31. Why do we feel hungry after a physical activity?

32. a) Define:- Reflection of light.

b) Identify the mirrors given below:



i



ii

33. Mention any 4 factors that lead to depletion of water table and water shortage?

34. What happens in plants after the process of fertilization?

35. What is a fuse? Write the peculiar nature of wire used in a fuse.

**SECTION – D**

**VII. Answer the following in 3 or 4 sentences**

**( 3 x 10 =30marks)**

36. a) On what factors does heat produced in a wire depend?  
b) What are the reasons of excessive currents in our houses?
37. a) What is the use of kink in a clinical thermometer?  
b) Give two examples of heat radiation in your daily life.
38. a) Flowers are colourful and fragrant. Give reason.  
b) Seed dispersal helps the plant. How?
39. Animals like sponges and hydra do not possess any circulatory system. Why?
40. Give reason  
a) A clinical thermometer has the range from 35°C to 42°C.  
b) We prefer to wear dark coloured clothes in winter and light coloured clothes in summer.
41. a) Why should we use CFLs in place of ordinary bulbs?  
b) What is meant by a battery ?
42. State the difference between arteries and veins? ( Any 3 differences)
43. a) Define lateral inversion.  
b) What are the characteristics of the image formed by a plane mirror?
44. a) Explain the term ‘ aquifer ’.  
b) How does the scarcity of water affect plants?
45. a) Define pollination.  
b) Write the difference between unisexual flowers and bisexual flowers with one example for each.

**SECTION – E**

**VIII. Answer in details.**

**( 5 x 3 = 15marks)**

46. a) Explain the working of an electric bell. (diagram is not needed)  
b) Write two instances when the needle of compass deflects.
47. a) Draw a neat labelled diagram of the excretory system of man.  
b) Write the significance of sweating.

**OR**

- a) Draw the schematic diagram of circulatory system of man.  
b) List the functions of blood.
48. a) Differentiate between aerobic and anaerobic respiration with equations.

(Any 4 differences)

- b) Name the breathing organs of
- i. Earth worm
  - ii. Fish
  - iii. Amoeba
  - iv. Cow

**ALL THE BEST**