INTERNATIONAL INDIAN SCHOOL,DAMMAM.

SUMMATIVE ASSESSMENT- 2(2012 -2013)

SUB : **GENERAL SCIENCE** ***TIME*** : **3 HOURS**
CLASS : **VII** ***MAX.MARKS*** : **90**

SET-A

GENERAL INSTRUCTIONS:

1. All questions are compulsory
2. You are to attempt only one option in case of an internal choice.
3. Diagrams should be drawn neatly and well labeled, wherever necessary.

SECTION -A (1x 15 =15 Marks)

I .*Choose the correct answer from the brackets:*

1. Light always travels in a _____line.
   (a) zig-zag line (c) circular
   (b) curved (d) straight

2. During exhalation, the ribs _____
   (a) move outwards (c) move upwards
   (b) move downwards (d) do not move at all.

3. Excessive rains causes_____
   (a) famine (c) flood
   (b) drought (d) None of the above.

4. Amount of water recommended by United Nations per person per day is_____
   (a) 5 litres (c) 500 litres
   (b) 50litres (d) 5000litres.

5. Reproduction through vegetative propagation can occur through_____
   (a) Roots (c) Stems
   (b) Leaves (d) All of these

6. The thin wire seen inside a bulb is_____
   (a) Coil (c) Element
   (b) A fuse (d) Filament

7. In a circuit diagram, the various components are represented in _____
   (a) Pictures (c) Symbols
   (b) Graph (d) None Of these

8. Find the alphabet which appear same when viewed through a plane mirror .
   (a) P (c) B
   (b) X (d) S

9. Which of these is a bad conductor of heat.
   (a) Gold (c) Stainless Steel
   (b) Copper (d) Wool

10. The amount of heat produced in a wire depends on
   (a) Material (c) Thickness
   (b) Length (d) All of these

11. Energy from food is released by the process of _____
   (a) Circulation (c) Digestion
   (b) Respiration (d) Excretion

12. In which method of transfer of heat, no medium is required
   (a) Conduction (c) Radiation
   (b) Convection (d) None of these

13. Which of the following is associated with respiration.
   (a) Gills (c) Trachea
   (b) Lungs (d) All the above.

14. White light is composed of _____ colours.
   (a) 5 (c) 7
   (b) 6 (d) 8

15. Which of these thermometers would you use to measure human body temperature?
   (a) Clinical thermometer (c) Maximum –minimum thermometer
   (b) Laboratory thermometer (d) None of these

SECTION -B

Fill in the blanks: **(1 x 3 = 3 Marks)**

16. The process of seeping of water into the ground is _____

17. If the reflecting surface is towards the inner side it is _____mirror.

18. A combination of two or more electric cells is known as _____.

***Name the following*:** **(1 x 3 = 3 Marks)**

19. The scientist who proved the magnetic effect of electric current.

20. The lens which is used as a magnifying glass..

21. Thermometer which does not use mercury.

Correct the false statement : **(1 x 3 = 3 Marks)**

22. Bryophyllum reproduces through spores.

23. Lungs forms the floor of the chest cavity.

24. Conduction plays a major role in land and sea breeze.

25. ***Match the following*** **:** **(¼ x 4 = 1 Mark)**

(i) Fish	Stomata
(ii) Insects	Lungs
(iii) Cow	Gills
(iv) Plants	Trachea

SECTION -C (2x 10 =20 Marks)

26. Define drip irrigation .

27. List down any **two** uses of vegetative propagation.

28. What are anaerobes? Give an example.

29. Write any **two** precautions to be observed while reading a clinical thermometer?

30. What are the characteristics of the image formed by a plane mirror?

31. Write any **two** possible reasons for excessive current in circuits.

32. Differentiate between **self pollination** and **cross pollination.**

33. When do we celebrate World Water Day every year ?Why?

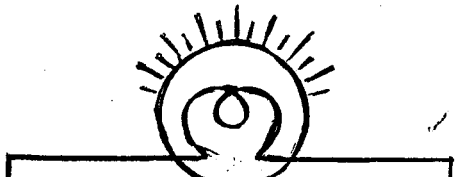
34. Write any **two** instances when the needle of a compass deflects.

35. Draw a neat labeled sketch of ***Clinical Thermometer*** and label any ***four parts.***

SECTION -D (3 x 10 =30 Marks)

36.(a) Identify the type of circuit shown below.

(b) Also explain the circuit with respect to the switch.in the figure given below.



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***Name the following*:** **(1 x 3 = 3 Marks)**

19. The scientist who proved the magnetic effect of electric current.

20. The lens which is used as a magnifying glass..

21. Thermometer which does not use mercury.

37. (a) What is an aquifer ?
    (b) List down any **four factors** which lead to the depletion of water table.

38. How is seed dispersal beneficial to plants?

    [OR]

    Differentiate between unisexual and bisexual flowers **with an example** for each .

39. Define **water cycle** and write its **importance.**

40. Describe budding in yeast **with a neat labeled sketch**.

41. Define the following terms :
    (a) Temperature (1m)
    (b) Convection (2m)

42. What are the practical uses of concave mirrors? **(3 points)**

43. How are seeds and fruits formed?

44. Describe the respiratory system in humans.

45. Distinguish between conductors and insulators with **two examples** for each.

SECTION -E ***(5 x 3 =15 Marks)***

46. (a)Explain the heating effect of electric current with the help of an activity .(3m)
    (No diagram needed)
    (b)Why are CFL's preferred over ordinary electric bulbs?(2m)

    [OR]

    (a) Write an activity to show the magnetic effect of electric current , (3m)
    (No diagram needed)
    (b) List down any **two** applications of electromagnet.(2m)

47. (a) How does the process of fertilization takes place in flowers ? (3m)
    (b) Define reproduction.(1m)
    (c) What are the two modes of reproduction? (1m)

48. (a) Distinguish between aerobic and anaerobic respiration with ***equation for each.*** (3m)
    (b) Explain the breathing process in **earthworm.(2m)**

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SET-B

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SECTION -A *(1x 15 =15 Marks)*

I .*Choose the correct answer from the brackets:*

1. The metal used in the bulb of a thermometer is _____
   (a) Copper (c) Mercury
   (b) Silver (d) Aluminium

2. If you place a compass needle near a current conducting wire ,it will_____
   (a) get hot (c) get charged
   (b) get deflected (d) stop moving

3. In our body anaerobic respiration takes place in _____cells.
   (a) Nerve cells (c) Skin cells
   (b) Muscle cells (d) Blood cells

4. Where in the circuit can the switch be placed?
   (a) Anywhere in the circuit (c) Right side of the battery
   (b) Left side of the battery (d)Near the positive terminal of the bulb

5. An example for winged seed is _____
   (a) Aak (c) Castor
   (b) Drumstick (d) Xanthium

6. The partial breakdown of _____produces lactic acid.
   (a) Protein (c) Fats
   (b) Carbohydrates (d) Glucose

7. Process of seeping of water into the ground is called _____
   (a) water table (c) infiltration
   (b) aquifer (d) deforestation

8. What is the percentage of oxygen in exhaled air?
   (a) 16.4% (c) 21%
   (b) 4.4% (d) 0.04%

9. An electric bell works on the basis of _____effect of electric effect.
   (a) Heating (c) Chemical
   (b) Magnetic (d) None of the above

10. The range of a Clinical thermometer is generally from_____
   (a) 35°C to 42° Celsius (c) 40 °C to 45° Celsius
   (b) 30°C to35° Celsius (d) 25 °C to 41° Celsius

11. The side view mirrors in vehicles are_____
   (a) Convex mirror (c) Concave mirror
   (b) Plane mirror (d) None of the above

12. The process by which the heat is transferred from a hot object to the surroundings.
   (a) Conduction (c) Absorption
   (b) Convection (d) Radiation

13. The rainbow consists of _____colours.
   (a) 5 (c) 7
   (b) 6 (d) 8

14. The phenomena by which the"***left*** " appears "***right "*** in a plane mirror is known as_____.
   (a) Reflection (c) Lateral inversion
   (b) Dispersion (d) None of the above

15. Water scarcity is caused due to _____
   (a) Water cycle (c) Melting of snow
   (b) Rainfall (d) Population Growth

SECTION -B

Fill in the blanks: ***(1x 3 =3 Marks)***

16. The normal temperature of a human body is _____°C

17. A _____is a safety device which prevents damage to electric circuits

18. Reflectors of torches are_____in shape.

Name the following : ***(1x 3 =3 Marks)***

19. Opening on the sides of an insect body.

20. Mode of heat transfer which does not require any medium .

21. A large muscular sheet which forms the floor of the chest cavity.

Correct the false statements given below : *(1x 3 =3 Marks)*

22. Yeast respires aerobically to yield alcohol.

23. A magnetic needle points the South –North direction in its resting position.

24. A magnifying glass is also known as convex mirror.

25. ***Match the following :*** *(¼ x 4 =1 Mark)*

(i) Ferns	Vegetative Buds
(ii) Spirogyra	By Spores
(iii) Turmeric	Stem cutting
(iv) Champa	Fragmentation

SECTION -C *(2x 10 =20 Marks)*

26. Draw a neat labeled sketch of ***Clinical Thermometer*** and label any ***four parts.***

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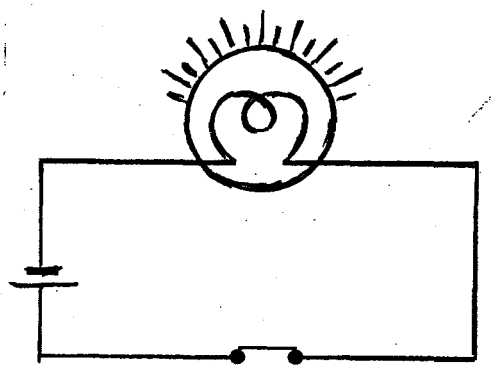

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