

# INTERNATIONAL INDIAN SCHOOL-DAMMAM

## SUMMATIVE ASSESSMENT-I-(2012-13)

Subject : GEN.SCIENCE  
Class VIII

Time:3 Hrs  
Max.Marks -90

### SET-A

#### Instructions

1. Read the questions carefully and answer.
2. Mention the set and Q. No. correctly on the Answer paper

### SECTION-A

I. Questions 1to15 are multiple choice questions. Write the correct option :-  
(1x15=15)

1. Which of the following is the unit of inheritance in living organisms?  
(a) Nucleus (b) Nucleolus (c) Chromosomes (d) Gene
2. Which of the following is present only in plant cell?  
(a) Plasma memberance (b) Nucleus (c) Plastids (d) vacuole
3. The cell present in human body which can change its shape?  
(a) RBC (b) WBC (c) Plalelets (d) Neuron
4. Internal fertilisation takes place in  
(a) cows (b) Fish (c) Humans (d) both a & c
5. A larva develops into an adult by the process of :-  
(a) Metamorphosis (b) Fertilisation (c) Budding (d) None
6. Fertilised egg is also called  
(a) Gamete (b) Zygote (c) Embryo (d) Foetus
7. The endocrine gland which controls the activity of all the other endocrine glands.  
(a) Adrenal (b) Thyroid (c) Testes (d) Pituitary
8. The number of chromosomes in human being  
(a) 20 pairs (2) 21 pairs (c) 22 pairs (d) 23 pairs
9. The female sex hormone is  
(a) Testes (b) Testosterone (c) Estrogen (d) Adrenalin
10. A small opening in the Iris is called.  
(a) Pupil (b) Cornea (c) lens (d) blind spot
11. A ray of light is an  
(a) Idealisation (b) Phenomenon (c) Diffusion (d) Illusion
12. The idea of a number of images formed by mirrors placed at an angle to one another is used in a  
(a) Periscope (b) Telescope (c) Kaleidscope (d) Microscope

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13. To test if a body is charged or not , you will use  
 (a) A positively charged body (b) A negatively charged body  
 (c) An uncharged body (d) None
14. The brilliant spark produced in the sky is followed by  
 (a) Rain (b) Thunder (c) Hail (d) Snow.
15. Electroscope is used to  
 (a) only detect the charge (b) detect and measure the charge  
 (c) detect,measure and find the charge (d) None

#### SECTION-B

II. Questions 16 -25 are very short answer type.Each question carries 1 mark

( 1x10=10 )

- (a) Name the following :-
16. The locomotary organ in amoeba
- 17 The spot at the junction of retina & optic nerve
18. The entire content of the living cell is known as
- (b) Fill the blanks :-
19. The process of fusion of male and female gamete is called .....
20. The most comfortable distance at which one can read with normal eye is .....
21. ....is produced when oppositely charged clouds get discharge.
- (c ) Correct the statement :-
22. The bacterial cell does not have a cell wall.
23. Lack of iodine in food leads to anemia.
- (d) Complete the following :-
24. Babies born through IVF technique are called .....
25. Lightning conductor is a device used to .....

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SECTION -C

III. Questions 26 to 35 are short answer type. Each question carries 2 marks.  
(2x20=20)

26. What is plasma membrane ? State its function.
27. Define metamorphosis .Give two examples where metamorphosis takes place.
28. What are sex hormones ? State their functions.
29. Why cell wall is present only in plant cell? Give reason.
30. Write the two laws of reflection.
31. Give the difference between a zygote and a foetus.
32. Name the two kinds of charges. What are the properties of electric charges?
33. Write any 2 measures to protect ourselves from lightning when we are outdoors.
34. What is meant by multiple reflection?
35. What do you mean by target site ?

SECTION-D

IV. Questions 36 to 45 are short answers type. Each questions carries 3 marks .  
(3x10=30)

36. Differentiate between plant cell and animal cell using diagram only.
37. Write the difference between prokaryotes and Eukaryotes, also give one example of each.
38. What is cataract ? How can it be cured?
39. Write the characteristics of image formed by a plane mirror.

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40. Why do fish and frogs lay eggs in hundreds?
41. Differentiate between oviparous and viviparous animals. Give one example of each.
- OR
41. Differentiate between External and Internal fertilization. Give one example of each.
42. Name any three endocrine glands, Their secretion and function.
43. Explain the sex determination in human being with the help of a diagram only. (Flow chart).
44. What is an electroscope ? Write a short note on the construction of electroscope.
45. What is human Nerve cell (Neuron)? What function does it perform?

### SECTION -E

V. Questions 46 to 48 carry 5 marks each (5x3=15)

46. (a) Define reproduction (1)  
 (b) Write difference between Asexual and Sexual reproduction (2)  
 (c) Draw and Label human ovum (2)
47. (a) Define balanced diet (1)  
 (b) Name the virus which causes AIDS (1)  
 (c) How AIDS virus get transmitted from an infected person to a healthy person (3)

OR

47. (a) Define Adolescence (1)  
 (b) Mention only 2 changes that takes place at puberty (2)  
 (c) Why does young people get acne and pimples during adolescence (2)
48. (a) What kind of lens is present in human eye? (1)  
 (b) Name the cells present in retina and the light they are sensitive to (2)  
 (c) Draw a diagram of human eye and label any 3 parts (2)

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