

INTERNATIONAL INDIAN SCHOOL,DAMMAM.

SUMMATIVE ASSESSMENT- 2(2014 -2015)

SUB : GENERAL SCIENCE
CLASS : VIII

TIME : 3 HOURS
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. Mention the correct SET and the correct Question No in the Answer sheet.

SECTION -A

(1x 15 =15 Marks)

1. Choose the correct answer from the brackets:

1. Smallest living part of an organism

- | | |
|------------|-----------------------|
| (a) tissue | (c) cell |
| (b) organ | (d) none of the above |

2. _____ is the beginning of new individual

- | | |
|------------|-----------------------|
| (a) Embryo | (c) Foetus |
| (b) Zygote | (d) None of the above |

3. Identify the pancreatic hormone

- | | |
|--------------|---------------|
| (a) Thyroxin | (c) Adrenalin |
| (b) Insulin | (d) Estrogen |

4. Metamorphosis in frog is controlled by _____

- | | |
|---------------|---------------|
| (a) Thyroxine | (c) Adrenalin |
| (b) Insulin | (d) Estrogen |

5. Protruding voice box in boys

- | | |
|-------------------|-----------------------|
| (a) Buccal Cavity | (c) Pharynx |
| (b) Adams apple | (d) None of the above |

6. Image formed by a plane mirror is

- | | |
|-----------------------------|-----------------------------|
| (a) Smaller than the object | (c) Same size as the object |
| (b) Bigger than the object | (d) None of the above |

7. The most comfortable distance for reading is _____

- | | |
|------------|------------|
| (a) 2.5 cm | (c) 250 cm |
| (b) 25 m | (d) 25cm |

8. All human beings have _____ pairs of chromosomes in the nuclei of their cells.

- | | |
|--------|--------|
| (a) 2 | (c) 22 |
| (b) 20 | (d) 23 |

9. If two plane mirrors are kept at right angle _____ images are formed

- (a) 2 (c) 4
(b) 3 (d) 5

10. Cell in human body which can change its shape

- (a) Amoeba (c) Paramecium
(b) White Blood Cells (d) Yeast

11. Oviduct is also termed as _____

- (a) Sperm duct (c) Fallopian tube
(b) Ovaries (d) Uterus

12. Which of the following is a luminous object?

- (a) Book (c) Electric Lamp
(b) Moon (d) None Of the above

13. In a kaleidoscope, three plane mirrors are inclined at an angle of

- (a) 30° (c) 90°
(b) 60° (d) 120°

14. Which of these is not a Eukaryotic cell?

- (a) Onion Cell (c) Bacterial Cell
(b) Cheek cells (d) Neuron

15. The gland present right above our kidneys.

- (a) Pancreatic Gland (c) Thyroid Gland
(b) Adrenal Gland (d) Pituitary Gland

SECTION -B

Name the following:

(1 x 3 = 3 Marks)

16. Male and female gamete in humans

17. Any 2 cell organelles

18. Other name of oil glands

Say True or False .Rewrite the false statements correctly (1 x 3 = 3 Marks)

19. Ribosomes are blank looking structures in the cytoplasm

20. Testosterone is responsible for female secondary sexual characters.

21. Fertilization occurs only in sexual reproduction

Define the following :

(1 x 2 = 2 Marks)

22. Blind spot.

23. Gene

Fill in the blanks

(1 x 2 = 2 Marks)

24. Transparent front part of the eye is _____

25. _____ are the structures that can be seen inside the nucleus only when the cell divides.

SECTION -C

(2x 10 =20 Marks)

26. State the **laws of reflection.**

27. What is **pseudopodia**? Write its **function**

28. Write any **two functions of plasma membrane**

29. Name the **main parts of a male reproductive system** in humans.

30. List down any **4 measures** by which we can take **care of our eyes.**

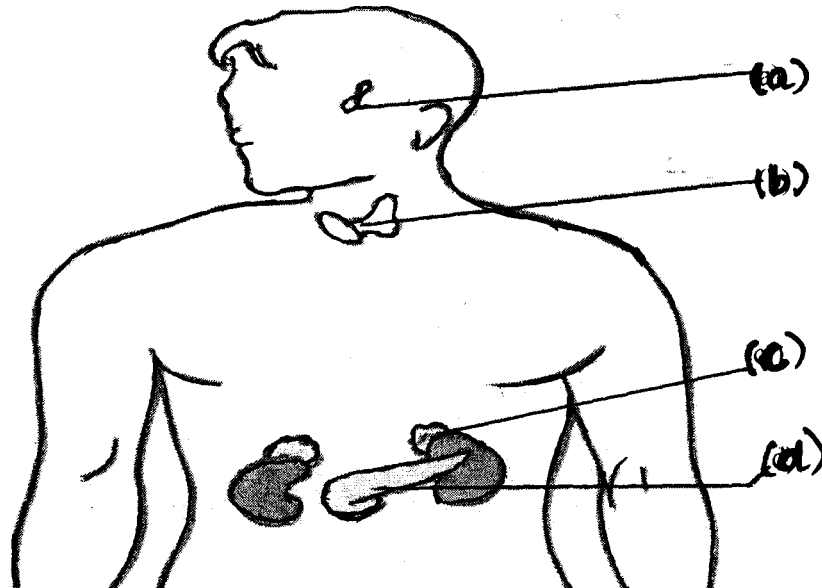
31. Write any **two differences** between **zygote and foetus.**

32. List down the **significance of reproduction** in organisms.

33. Define **adolescence and puberty**

34. Why do **teenagers** get **acne and pimples** during adolescence?

35. Identify the **glands in human body.**



SECTION -D

(3 x 10 =30 Marks)

36. List down ways by which HIV Virus spreads from infected to healthy person.
37. (a) What is Cataract?
(b) How can it be cured?
- [OR]**
- Write one function of Optic Nerve, Ciliary Muscle and Cornea in a human eye.
38. List down three differences between plant and animal cell.
39. List down the changes that take place during puberty (only 6 points)
40. Write a short note on protoplasm
41. (a) What is cloning?
(b) Name the scientist who did the cloning for the first time?
(c) Name the first animal to be cloned.
42. Distinguish between external and internal fertilization with 2 examples for each.
43. Describe different shapes of cell with an example for each. (No drawing needed)
44. Write a short note on sense of sight in night birds.
45. Define binary fission in Amoeba with a neat labeled sketch

SECTION -E

(5 x 3 =15 Marks)

46. (a) Represent the sex determination of an unborn baby in the form of a flow chart (No Explanation needed) (3M)
(b) What are hormones? State their function (2M)
- [OR]**
- (a) What are sex hormones? State their function (3M)
(b) Define the process of metamorphosis with an e.g (2M)
47. (a) Write a short note on test tube babies (3M)
(b) Why do fish and frog lay eggs in hundreds? (2M)
48. (a) Differentiate reflected ray and angle of reflection? (2M)
(b) Write any 2 functions of iris. (2M)
(c) What is the basic principle behind the working of periscope? (1M)