

KENDRIYA VIDYALAYA, IIT CAMPUS CHENNAI-36

CLASS:- VIII

SCIENCE

VERY SHORT ANSWER:

1. The parasite called plasmodium causes a disease known as

- a) Measles    b) polio    c) malaria    d) dengue

2. The vaccine for smallpox was discovered by

- a) Alexander Fleming    b) Edward Jenner    c) Louis Pasteur    d) Robert Koch.

3. Which of the following plastics is used for making electric switches?

- a) Teflon    b) melamine    c) bakelite    d) polythene.

4) When a vessel is exposed to moist air for a long time, then a green coating is formed on its surface. The vessel must be made of

- a) zinc    b) magnesium    c) iron    d) copper.

SHORT ANSWER:- (2marks)

5. Name one animal disease each caused by :- a) virus    b) bacteria    c) protozoa    d) fungus.

6. State whether plastic is biodegradable or non-biodegradable ? Give reasons .

7. Give reasons:- a) Sodium and potassium are stored in kerosene.

b) copper cannot displace zinc from its salt solution.

8. To which category of micro organism do the following belong?

Amoeba , lactobacillus , Chalmydomonas , Pencillium.

9. What are polymers? Give example for natural and artificial polymers.

10. What do you mean displacement reaction? Give an example.

**SHORT ANSWERS (3 Marks)**

**11. What is food poisoning ? Name any two methods of preserving food with examples.**

**12. How do carelessly thrown plastic bags affect**

**a) dirty water drains and sewage**

**b) animals such as cows.**

**13. State three characteristics of metals and non-metals with examples.**

**LONG ANSWERS( 5 Marks)**

**14. Draw a neat, labeled diagram of nitrogen cycle in nature.**

**15. Explain the different stages of agricultural practices.**

**16. How do metals and non-metals react with oxygen. Explain with an equation for each .  
Name a metal and non-metal which occurs in liquid state.**

**VIII REPRODUCTION IN ANIMALS**

**I Rewrite the sentences in the correct order of events, in Human Reproduction**

1. Child birth at the end of 9 months
2. Gamete formation in male and female
3. Transfer of male gamete to the female
4. Fusion of gametes(Fertilisation)
5. Division of zygote to form embryo
6. Attachment of embryo on the wall

**II.**

Asexual Reproduction	Method & diagram
Hydra	
Amoeba	

III.

Define 1) metamorphosis 2) Internal fertilisation 3) oviparous

### **REACHING REACHING THE AGE OF ADOLESCENCE**

#### **MCQ:- (1X5)**

1. Which of the following is a ductless gland :-

- a. sweat gland   b. salivary gland   c. sebaceous gland   d. pituitary gland

2. Adolescence brings in the individual :-

- a. mental maturity   b. reproductive maturity   c. emotional maturity   d. all the above

3. In boys, voice box protrudes out in throat region and is called :-

- a. custard's apple   b. Adam's apple   c. eve's apple   d. both b & c

4. A female secondary sexual characteristic is :-

- a. voice becoming shrill                      b. voice becoming hoarse  
c. growth of Adam's apple                      d. growth of hair on the chest

5. Adrenalin helps the body to adjust :

- a. stress   b. T.B   c. diabetics   d. body pain

#### **FILL UP:- (1X5)**

a. Time period when body undergoes changes, leading to reproductive maturity is called \_\_\_\_\_.

b. Teenagers is the other name used for \_\_\_\_\_ .

c. At \_\_\_\_\_, sweat and sebaceous glands become more active.

d. In girls, first menstrual flow and is called \_\_\_\_\_ .

e. As a woman grows old, menstrual cycle stops which is termed as \_\_\_\_\_.

#### **ONE WORD ANSWERS:- (1X5)**

1. For girls adolescence starts at the age of? –
2. Female hormone is also known as? –
3. Growth hormones are secreted by? –
4. Testosterone is the other name for? –
5. Sperms are formed in? –

**ANSWER THE FOLLOWING:- (2X5)**

What are ductless glands?

How is sex of a human baby determined?

What is adolescence?

List out 2 changes each for a boy and a girl during puberty?

What are secondary sexual characters?

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**LONG ANSWERS( 5 Marks)**

14. Draw a neat, labeled diagram of nitrogen cycle in nature.

15. Explain the difference between the thermoplastic and thermosetting plastics with the help of the diagram. Which plastic is used for a) making fireman uniform b) non- stick coating pan c) water bottles.

16. How do metals and non-metals react with oxygen. Explain with an equation for each . Name a metal and non-metal which occurs in liquid state.

### CHAPTER – 1 – CROP

- 1) What do you mean by crop ?
- 2) Name 2 broad cropping pattern ?
- 3) What are agriculture practices ?
- 4) What is tilling (or) ploughing ?
- 5) Name 3 tools used in the ploughing process ?

- 6) Name 2 uses of plough ?
- 7) Name the uses of plough ?
- 8) What is manure ?
- 9) Define manuring ?
- 10) What are fertilizers ?
- 11) What are irrigation ?
- 12) Name the methods of traditional irrigation .
- 13) What are modern methods ?
- 14) What are weeds ?
- 15) Define weeding ?
- 16) What are weedicides ?
- 17) Name the weedicides ?
- 18) When is the best time of removal of weeds ?
- 19) Define harvesting .
- 20) What is threshing ?
- 21) Name the machines which required for harvesting ?
- 22) Draw the following diagram & label .
  - a) Plough shaft
  - b) Plough share
- 23) Seed drill is used for \_\_\_\_\_ of the seeds .
- 24) Ploughing helps the \_\_\_\_\_ of roots of the growing plants .
- 25) Tilling of the soil is called \_\_\_\_\_.
- 26) Manure & fertilizers are used to maintain the \_\_\_\_\_ of the soil .
- 27) The most common weedicides is \_\_\_\_\_ .
- 28) The economical methods os irrigation are \_\_\_\_\_ & \_\_\_\_\_ .
- 29) The wild plant which grow along with the main crop is called \_\_\_\_\_ .
- 30) \_\_\_\_\_ is the bacteria present I the legumina plants .

## COAL AND PETROLEUM & COMBUSTION AND FLAME- LAT (8/9/2017)

### I. Define

- (a) inexhaustible natural resources
- (b) refining
- (c) ignition temperature
- (d) inflammable substances
- (e) Calorific value

### II. Fill in the blanks

- (a) The slow process of conversion of dead vegetation into coal is called \_\_\_\_\_.

- (b)The most common fire extinguisher is \_\_\_\_\_.
- (c)The requirements for combustion are \_\_\_\_\_, \_\_\_\_\_ & \_\_\_\_\_.

### III. Multiple choice questions

- (a)The process of conversion of dead vegetation into coal is called \_\_\_\_\_.  
(i)refining (ii)carbonisation (iii)fossil fuels (iv)compression
- (b)\_\_\_\_\_, a petroleum product, is used for metalling the roads.  
(i)coal tar (ii)paraffin wax (iii)petrol (iv)bitumen
- (c )Petroleum has a/an \_\_\_\_\_ odour.  
(i)pleasant (ii)unpleasant (iii)Both (i) & (ii) (iv)None of these
- (d)\_\_\_\_\_ gas is very essential for combustion.  
(i)hydrogen (ii)oxygen (iii)carbon dioxide (iv)methane

### IV. Short answer questions

- (a)What are the various constituents of petroleum?
- (b)What are the different kinds of combustion?