

CLASS 8TH ASSIGNMENT

I-Term

Biology (2016-17)

1. Expand HYV
2. What is 'Apiculture'?
3. Who is considered as 'Father of Green Revolution in India'?
4. What is the full form of I.A.R.I. and where is it located?
5. What is manuring and how is it useful?
6. What do you understand by transplantation?
7. What is organic farming?
8. How are dams helpful for agriculture?
9. How are high yielding varieties of crops obtained?
10. Choose the correct answer-
Which of the following method of cultivation will result in the loss of soil fertility?
 - i. Crop rotation
 - ii. Shifting cultivation
 - iii. Use of chemical fertilizers in excess
11. Fill in the blanks:
 - (a) Cholera is caused by _____.
 - (b) The bread or dosa dough rises due to the growth of _____.
 - (c) You can see microorganisms with the help of a _____.
12. Where would you look for 'Rhizobium'?
13. Who discovered Antibiotics?
14. Name the bacteria responsible for making curd out of milk.
15. Why should we keep a handkerchief on the nose and mouth while sneezing?
16. Give one example of each:
 - (a) An edible fungi
 - (b) Antibiotic obtained from fungi

- (c) A parasitic protozoan
- (d) Nitrogen fixing bacteria
- (e) A bacteria residing on intestine of man

17. Explain the process of pasteurization.
18. What is food poisoning and how can it be prevented?
19. We cannot use boiling milk for setting curd. Why?
20. Microorganisms cause communicable diseases. They require some transmission agent to enter the body of a living organism.

Write the names of the pathogens which cause these diseases:

- i. Cholera
 - ii. Typhoid
 - iii. Malaria
 - iv. Polio
 - v. Common cold
 - vi. Ringworm
 - vii. Athlete's foot
21. Where are the following National Parks located?
- i. Dachigam National Park
 - ii. Bandipur National Park
 - iii. Kaziranga National Park
22. Where are the following wild life sanctuaries?
- i. Bharatpur Bird Sanctuary
 - ii. Chilka Lake Sanctuary
23. Expand W.W.F.
24. Give two examples of endangered species of animals.
25. What is Red Data Book?
26. What is 'Biodiversity'? How is it important to preserve Biodiversity? List four uses.
27. Write a short note on 'Project Tiger'.
28. What are the main causes of migration of birds?
29. Describe few ill-effects on the environment due to various unwanted human activities.

II - Term

1. Who discovered cell?
2. Name two unicellular organisms.
3. Which cell organelle helps in photosynthesis?
4. Which is the longest cell of the body?
5. Give an example of a prokaryote.
6. Why are mitochondria known as 'Power House' of the cell?
7. Where are chromosomes located?
8. Mention three differences between plant and animal cells.
9. What can a strand of hair tell about the person it belongs to?
10. An electron microscope can magnify an object up to 1,00,000 times. It makes easy to study the detailed structure of a cell. Find out who invented the electron microscope and how it is different than a light microscope.
11. Name the following parts of the body:
 - (a) Which produces sperms
 - (b) Which produces ova
 - (c) Where fertilization takes place.
12. Give one difference between 'Asexual' and 'Sexual Reproduction.'
13. Name the male gamete.
14. What is zygote? How is it formed?
15. What is metamorphosis? Name two examples of animals which undergo metamorphosis.
16. Explain the terms: internal fertilization and external fertilization.
17. Where does fertilization occur in human females?
18. Where does the young one develop in humans?
19. What is the full form of "IVF"?

20. How is “Vas Deferens” different from “Oviduct”?
21. What are endocrine glands?
22. Which hormone controls the sugar level in blood?
23. Which gland is called ‘Master Endocrine Gland’?
24. Give one function each of estrogen and testosterone.
25. Expand AIDS.
26. Where are ‘Adrenals’ located in the human body?
27. Define the term zygote, gametes and fertilization.
28. List the secondary sexual characters of a female during adolescence.
29. Choose the correct answer:
Thyrosune hormone
 - i. Regulates growth and metabolism
 - ii. Sugar level in blood
 - iii. Controls heartbeat and blood pressure
30. Explain in details about H.I.V. and A.I.D.S and how it affects humans.

Biology Project Work

Collect seed samples of ten crop plants and paste them in a scrapbook. Collect information about the main crop plants, their structure, their growth periods, crop yields etc. Paste pictures of ten fruit producing plants and write about them in detail.

OR

Paste pictures of 15 agricultural implements and explain about them in detail in a scrapbook. Explain in detail about The Green Revolution which occurred in India in 1960's. Explain the role played by Dr. M.S. Swaminathan in it.

8th (Physics)

Force and pressure:

1. Name the force used in removing iron scrap from a heap of mixed scrap.
2. Why does a sharp knife cut objects more effectively than a blunt knife?
3. Making a force act on a small area produces a large _____.
4. The gravitational force is a _____ force.
5. The atmospheric pressure acting on our body from outside is balanced by the _____ pressure acting from inside.
6. A force of 200N acts on an area of 4m^2 . What pressure is produced?
7. What are the effects of a force?
8. Give at least three examples of your actions today that use forces..
9. Why do you need to breathe faster at the top of a tall mountain.
10. When is the pressure on the ground more : when a man is lying or when a man is standing?

Project

FA –I syllabus

Physics : Force and Pressure

Chemistry : Symbols, valencies and formula writing.

Biology : Crop Production and management

I. “Celestial bodies”

- a) What do you understand by celestial bodies?
- b) Why do we need to know about these bodies?
- c) How are these celestial bodies moving in space?

Chemistry

1. learn symbols, valencies and practice formula writing.

Activity

Prepare a valency chart on A-3 Size Chart paper

ENVIRONMENT PROJECT

1. MAKE CHARTS ON THE FOLLOWING TOPICS
 - (A) Mother earth
 - (B) Save Electricity
 - (C) Save Water
 - (D) Animals are our friends.
2. Best out of waste
Make useful items or decorative items with waste material (Pen Stand, Wall hanging, calenders etc.)
3. Make animal masks.