

Class –VIII

Project Biology

- 1) The wonderful variety of Agricultural Crops growing on Indian Forms.
Or
- 2) Pollution of our Environment

HOLIDAY HOMEWORK, YR 2017 - 18

CLASS VIII

CHEMISTRY

GENERAL INSTRUCTIONS:

- ➔ The assignment should be done in your Chemistry notebook.
- ➔ The assignment should be submitted on 3rd July 2017.

Answer the following questions:-

1. Give reasons for the following:-
 - a) Nylon is used to make parachutes.
 - b) Synthetic fibres are polymers.
 - c) Bakelite is used to make the handle of a saucepan.
2. Melamine is used for making kitchenware. Why?
3. Find out the full forms of PVC and PET.
4. Name two natural fibres obtained from animals and two natural fibres obtained from plants.
5. Name a synthetic fibre which resembles silk.
6. Name the first fully synthetic fibre. What is it made of?
7. Name the repeating unit of polyester. Write the names of two common forms of polyester.
8. Electrical wires have a plastic covering. Why?
9. Why should we not wear polyester clothes while working in the laboratory?
10. Write three advantages of synthetic fibres.
11. We feel extremely uncomfortable if we wear clothes made of synthetic fibres during summers. Why?
12. Cotton is a natural polymer, its polymeric unit is cellulose and its monomeric unit is _____.
13. Synthetic fabrics soak _____ water than the natural fabrics and take _____ time to dry.
14. Polythene which is used to make polythene bags is an example of a _____.
15. Iron rusts when it is exposed to _____ and _____.
16. Plastics do not react with _____ and _____.
17. Plastics are generally _____ than metals.
18. _____ is a special plastic on which oil and water do not stick.
19. We should always remember the 4R principle: _____, _____, _____ and _____.
20. Terrycot is made by mixing two types of fibres. Can you find the names of these fibres?

21. Why is it not advisable to burn synthetic fibres and plastics?
 22. A plastic bucket does not rust but an iron bucket does. Why?
 23. A lady went to the market to buy a blanket. The shopkeeper showed her blankets made of acrylic fibres as well as wool. The lady decided to buy the blanket made of acrylic fibres. Why?
 24. Despite being very useful, it is advised to avoid plastics as much as possible. Why?
 25. Suggest some ways to minimize the use of plastics in our daily life.
 26. Give three advantages of polythene over natural materials.
 27. Do all plastics have the same type of arrangement of monomeric units? How are monomers arranged in plastics? Which arrangement is the strongest and why?
 28. Synthetic fibres are non-biodegradable. Justify this statement by giving examples.
 29. Rayon is made from wood pulp and yet it is called a synthetic fibre. Why?
 30. List some advantages of using natural fibres over synthetic fibres.
 31. List a few advantages of using plastics over natural materials.
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CLASS 8

PHYSICS

HOLIDAY ASSIGNMENTS (2017-2018)

FORCE AND PRESSURE

1. The strength of force is expressed by
 - a. *Weight*
 - b. *Magnitude*
 - c. *Mass*
 - d. *Longitudinal force*
2. The force between two charged bodies is called
 - a. *Muscular force*
 - b. *Magnetic force*
 - c. *Gravitational force*
 - d. *Electrostatic force*
3. The net force on an object is zero if the two forces acting on it in
 - a. *Opposite direction*
 - b. *Sometimes opposite sometimes same direction*
 - c. *Same direction*
 - d. *All of above*
4. Otto von Guericke was a scientist from
 - a. *Italy*
 - b. *German*
 - c. *Russian*
 - d. *American*
5. What is the requirement for a force to come into play?
6. Place your palm in front of a moving ball. Does your palm apply any force on the ball?
7. How can we increase the pressure by exerting the same force?
8. Do gases also exert pressure on the walls of the container?
9. What is atmospheric pressure?
10. We observe that the wheels of buses and trucks are heavier than the wheels of car or scooters. Why?
11. Draw a diagram to show that liquids exert equal pressure at the same depth.
12. Why do porters place a round piece of cloth on their head, when they have to carry heavy loads?
13. At least how many objects are needed to apply a force?
14. What is the effect of force on the shape of an object?
15. What happens when?
 - a. *Two forces are exerted in same direction?*
 - b. *Two forces are exerted in opposite directions?*