

Assignment 1 – chapter 1,2,3

Answer the following questions-

Q 1. What do you understand by kharif crop and Rabi crop? Explain with the help of examples.

Q2. Differentiate between ploughing and levelling.

Q3. Write four benefits of ploughing .

Q5. What is transplantation ? Write its two advantages.

Q6. What are the advantages of using manure in agriculture?

Q7. Write four characteristic features of algae and fungi.

Q8. How are microbes useful for us?

Q9. What are communicable diseases? Explain with the help of examples.

Q10. Write any four methods of preservation of food.

Q11. Name the products obtained by destructive distillation of coal.

Q12. What is destructive distillation?

Q13. Write two uses each of coal and coke.

Q14. Name the products obtained by fractional distillation of petroleum.

Q15. Write two uses of natural gas.

Q16. Write two methods of conservation of fossil fuels.

Q17. Write four methods to save and conserve energy.

Q18. Draw a diagram of chlamydomonas and spirogyra.

Q19. Draw a diagram to show fractional distillation of petroleum.

Q20.Fill up the blanks -

A. The materials that are burned to produce energy are called_____.

B. _____is a fuel that is hard and black in colour.

C. Coal is of 4 different types based on the amount of _____ content.

D. Sodium benzoate and _____ are common food preservatives.

E. Our atmosphere has 78%_____ gas.

F. The conversion of free atmospheric nitrogen into nitrogenous compounds is known as _____.

G. _____bacteria is found in the root nodules of leguminous plants.

H. Plasmodium causes _____.

I. Cholera ,typhoid and jaundice spread through _____.

J. ____mosquito acts as a career of dengue virus.

Assignment -2 chapter -4,6,7

Q1. What is combustion? Write three essential conditions for combustion.

Q2. What is ignition temperature?

Q3. What type of combustion takes place when a wax candle burns? Write the definition.

Q4. What do you understand by fire fighting? Name the three factors on which fire depends.

Q5. Name the two types of fire extinguishers. Name the chemicals used in soda acid fire extinguisher.

Q6. How do you take care of a fire victim? Write any four ways.

Q7. What is flame? Draw a diagram to show different zones of a candle flame.

Q8. Differentiate between three zones of flame.

Q9. What do you understand by calorific value?

Q10. Write four characteristics of an ideal fuel.

Q11. Differentiate between sexual and asexual reproduction.

Q12. What do you understand by external and internal fertilization? Explain with the help of examples.

Q13. How are viviparous animals different from oviparous animals ?

Q14. Draw a well labelled diagram of male reproductive organs in humans.

Q15. Draw a well labelled diagram of female reproductive organs in humans.

Q16. Draw a diagram to show life cycle of a frog.

**Q17. Name the type of a sexual reproduction in case of Hydra.
Draw a diagram in support of your answer.**

Q18. How are primary sexual characters different from secondary sexual characters?

Q19. What are hormones?

Q20. Fill up the blanks

A. Pituitary gland produces ____ hormone.

B. Adrenaline is produced by ____

C. Excess secretion of growth hormone causes ____.

D. Metamorphosis in frogs is controlled by ____ hormone.

E. AIDS is caused by ____ virus.

Assignment 3- chapter 8,9,10

Q1. Explain why sportsman use shoes with spikes ?

Q2. Why is the gravitational force on moon less than the gravitational force on earth?

Q3. Explain electrostatic force with the help of example.

Q4. Mention the two factors on which effect of the applied force depends.

Q5. Give reason-a heavy truck is fitted with 6 to 14 tyres.

Q6. Define atmosphere and atmospheric pressure.

Q7. Why is it difficult to write on a glass sheet?

Q8. What is the specific shape given to boats and ships? How is it useful?

Q9. Friction is a necessity .Explain with the help of examples.

Q10. Name two factors that affect friction.

Q11. What are lubricants? Give one example.

Q12. Rubbing of two surfaces generates heat. Give one application of this heat that is produced.

Q13. Why is the voice of women and children shrill as compared to that of men?

Q14. Define audible and inaudible sound.

Q15. Mention the three essential conditions for an echo to be heard.

Q16. Name 2 stringed instruments and 2 percussion instruments.

Q17. Differentiate between noise and music.

Q18. Write five measures to reduce noise pollution.

Q19. Why can two astronauts not hear each other on the moon?

Q20. Fill up the blanks –

A. _____ is an example of Ghana Vadya.

B. Hollow air chamber in guitar helps to _____ the loudness of the sound.

C. Objects that are hard and have smooth surface are good _____ of the sound waves.

D. Objects that are soft and porous are bad _____ of sound.

E. Middle ear consists of _____, _____ and _____ bones.

F. Bats produce _____ sound.

G. _____ is a special whistle which produces sounds of frequency more than 20000 Hertz,

H. Force of friction can be increased by making surfaces _____.

I. Rollers and wheels in suitcase help in _____ friction.

J. Atmospheric pressure _____ at high altitudes.

Assignment 4- chapter 11, 12, 13

Q1. Differentiate between electrolytes and non electrolytes.

Q2. What is LED? Where are they used?

Q3. What is magnetic compass?

Q4. Define electrolysis.

Q5. Name the two electrodes. Draw a voltameter in support of your answer.

Q6. Write two uses of electroplating.

Q7. Draw a well labelled diagram of gold leaf electroscope.

Q8. What is lightning conductor?

Q9. Write five safety measures to be taken during lightning.

Q10. List two useful effects of lightning.

Q11. What is earthquake?

Q12. Differentiate between three layers of the earth .

Q13. Mention four causes of earthquake.

Q14. Define epicenter, seismograph.

Q15. Write five characteristics of the image formed by a plane mirror.

Q16. Write the two laws of reflection. Draw a ray diagram in support of your answer.

Q17. Differentiate between regular reflection and irregular reflection.

Q18. Draw diagrams to show regular reflection and irregular reflection.

Q19. How many images will be formed when two plane mirrors are inclined to each other at 90 degree.?

Q20. Draw a well labelled diagram of human eye to show its main parts.

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