

Subject: Science
Topic:
No. of Questions: 20
Duration:
Maximum Marks:

Physics

1. Which of the following is not a unit of distance:

- (A) Metre
- (B) Feet
- (C) Kilogram
- (D) Kilometer

Sol. (C)

2. Which of the following does not involve combination of motion:

- (A) Earth
- (B) Bike
- (C) Pendulum
- (D) Rolling ball

Sol. (C)

3. A girl uses a worn out ruler to measure the length of a table in her room. She placed the ruler such that the mark 3.0 cm coincides with one end and the other end coincides with the mark 33.5 cm. The length of the table is _____ cm.

- (A) 33.5
- (B) 36.5
- (C) 33.8
- (D) 30.5

Sol. (D)

4. Which of the following is a standard unit of measurement

- (A) Mutthi
- (B) Metre
- (C) Foot
- (D) Arm length

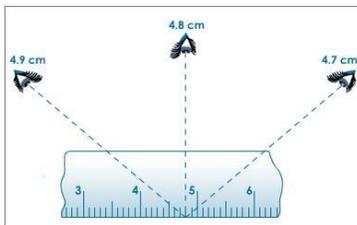
Sol. (B)

5. Which of the following is correct:

- (A) 100 mm = 1 cm
- (B) 10 mm = 1 m
- (C) 100 cm = 1 m
- (D) 100 m = 1 km

Sol. (A)

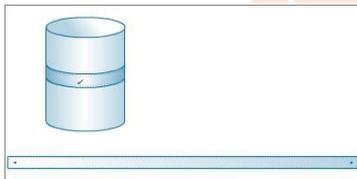
6. The correct length is:



- (A) 4.9 cm
- (B) 4.8 cm
- (C) 4.7 cm
- (D) 5.0 cm

Sol. (A)

7.

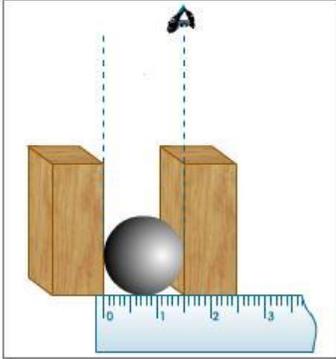


A method for measuring circumference of a cylinder:

- (A) Wind a strip of paper closely round the object once and prick the overlapping position with a pin (Shown in figure above). Unwind the paper strip and measure the distance between the two pinholes. This measure is the measure of the circumference.
- (B) Mark a point on the cylinder. The mark coincides with the zero of the scale. Now roll cylinder along the scale till the point reappears.
- (C) Put bands of different sizes on the cylinder. The band that just fits the cylinder is used to find the circumference.
- (D) There is no accurate method for measuring the circumference of the cylinder

Sol. (A)

8.



A simple method for measuring diameter of a sphere

- (A) Place the sphere between two note books. Keep the scale across and read the distance between the two books on the ruler accurately.
- (B) Place the sphere between two blocks in contact with a ruler as shown in figure above. Read the distance between the two block on the ruler accurately.
- (C) Take a string and wind it closely around the sphere. The measure the length of the string.
- (D) We cannot measure the diameter of the sphere.

Sol. (B)

9. While measuring the length of a kerchief, the reading of the scale at one end is 2.0 cm and at the other end is 33.1 cm. What is the length of the kerchief?
- (A) 33.1 cm
 - (B) 30.1 cm
 - (C) 31.1 cm
 - (D) 29.1 cm

Sol. (C)

10. The height of a person is 1.65 m. express the height in cm
- (A) 165 m
 - (B) 16.5 m
 - (C) 1650 cm
 - (D) 1.65 cm

Sol. (A)

11. The movement of earth around the sun is an example of
- (A) Circular motion

- (B) Periodic motion
- (C) Oscillatory motion
- (D) Translatory motion

Sol. (B)

12. The standard unit of length in SI system is

- (A) Yard
- (B) Foot
- (C) Metre
- (D) Centimeter

Sol. (C)

13. What device should a tailor use to measure the length of cloth?

- (A) Measuring rod
- (B) Measuring tape
- (C) Scale
- (D) String

Sol. (B)

14. One cm is equal to

- (A) 10 mm
- (B) 1 km
- (C) 1000 m
- (D) 1 m

Sol. (A)

15. The motion described by a simple pendulum is ----- motion

- (A) Oscillatory
- (B) Translatory
- (C) Rotatory
- (D) Revolutiona

Sol. (A)

16. Motion a car on straight road is ----- motion.

- (A) Oscillatory
- (B) Translatory
- (C) Rotatory

(D) Rectilinear

Sol. (D)

17. Which one is not a/ an ancient unit of measurement?

- (A) Feet
- (B) Cubit
- (C) Angul
- (D) Meter

Sol. (D)

18. Change in position of a body with time is called

- (A) Distance
- (B) Motion
- (C) Displacement
- (D) Speed

Sol. (B)

19. Ten millimeter is equal to

- (A) 1 cm
- (B) 100 cm
- (C) 10 m
- (D) 10 dm

Sol. (A)

20. A moving swing has

- (A) Rectilinear motion
- (B) Non periodic motion
- (C) Circular motion
- (D) Rotational motion

Sol. (D)

Chemistry

Q1. Which of the following is obtained from natural sources?

- (A) Wool
- (B) Nylon
- (C) Polyester
- (D) Acrylic

Sol. (A) Wool

Q2. Which of the following is obtained from animals?

- (A) Jute and cotton.
- (B) Nylon and polyester
- (C) Wool and silk
- (D) Rayon and acrylic

Sol. (C) Wool and Silk

Q3. Silk worms are reared on which of these?

- (A) On leavers of mulberry plant
- (B) On the leaves of banyan plant
- (C) On the leaves of spinach plant
- (D) On the leaves of cotton plant

Sol. (A) On leaves of mulberry plant

Q4. Which of the following animals give wool?

- (A) Sheep and yak
- (B) Elephant and tiger
- (C) Cow and dog
- (D) Snake and duck

Sol. (A) Sheep and yak

Q5. Which of the following is obtained from hair an animal?

- (A) Silk
- (B) Cotton
- (C) Nylon
- (D) Wool

Sol. (D) Wool

Q6. What is the name of process which involves pulling and twisting of strands of a fiber?

- (A) Ginning
- (B) Weaving
- (C) Spinning
- (D) None of these.

Sol. (C) Spinning

Q7. Which is the right time to cut jute plants?

- (A) Flowering stage
- (B) Mature stage
- (C) Before flowering stage
- (D) Any time after flowering.

Sol. (A) Flowering stage

Q8. Which part of the jute plant does give fibre?

- (A) Root
- (B) Stem
- (C) Leaf
- (D) Flower

Sol. (B) Stem

Q9. What are the ingredients of preparing Chapati?

- (A) Atta (Wheat Flour) only
- (B) Water only
- (C) Both Atta and water
- (D) None of these

Sol. (C) Both Atta and water

Q10. Which of the following is NOT an ingredient for preparing Dal?

- (A) Pulses
- (B) Kerosene
- (C) Oil or Ghee
- (D) Salt

Sol. (B) Kerosene

Q11. Which one of the following is a carnivore animal?

- (A) Sparrow
- (B) Owl
- (C) Parrot
- (D) Cow

Sol. (B) Owl

Q12. Materials required to prepare a food item are called

- (A) Nutrients
- (B) Ingredients
- (C) Nourishments
- (D) Minerals

Sol. (B) Ingredients

Q13. Which of the following is not a milk product?

- (A) Cheese
- (B) Butter
- (C) Honey
- (D) Yogurt

Sol. (C) Honey

Q14. The animals which eat only plants are called

- (A) Herbivores
- (B) Carnivores
- (C) Omnivores
- (D) Insectivores

Sol. (A) Herbivores

Q15. Humans are:

- (A) Carnivores
- (B) Herbivores
- (C) Omnivores
- (D) None of these

Sol. (C) Omnivores

Q16. The part of a banana plant not used as food is

- (A) Flower
- (B) Fruit
- (C) Stem
- (D) Root

Sol. (D) Root

Q17. Animals which eat both animals flesh as well as plants are called _____.

- (A) Carnivores

- (B) Herbivores
- (C) Omnivores
- (D) None of these

Sol. (C) Omnivores

Q18.. Which of the following gives eggs?

- (A) Duck
- (B) Cow
- (C) Goat
- (D) Donkey

Sol. (A) Duck

Q19. Monkeys are:

- (A) Carnivores
- (B) Herbivores
- (C) Omnivores
- (D) None of these

Sol. (C)Omnivores

20 Cow is a

- (A) Herbivore
- (B) Carnivore
- (C) Omnivore
- (D) Insectivore

Sol. (A) Herbivore

Biology

1. The _____ that we drink, which comes from cows, buffaloes and goats is an animal product.

- (A) lemon juice
- (B) Orange juice
- (C) Horlicks
- (D) Milk

Sol. (B)

These are milk producing animal.

2. Dietary fibers are also known as _____.

- (A) Starch
- (B) Fats
- (C) Protein
- (D) Roughage

Sol. (D)

Roughage is another name for dietary fibers.

3. ____ People have less fat in their body.

- (A) Giant
- (B) Thin
- (C) Obese
- (D) Dwarf

Sol. (B)

Obese people have more fat.

4. Which of the following is a source of both calcium and phosphorus?

- (A) Leafy vegetables
- (B) Milk
- (C) Sugar
- (D) Banana

Sol. (B)

Fact

5. Idli is prepared using rice, urad dhal. The sources of all these things are

- (A) Plants
- (B) Animals
- (C) Both Plants and animals
- (D) Neither Plants nor animals

Sol. (A)

Rice and dal are the plant product.

6. Main function of Roughage in our body is:

- (A) To provide Energy
- (B) To get rid of undigested food.
- (C) Body building

(D) Keep bones and teeth healthy

Sol. (B)

Roughage help in food digestion.

7. The fibers of some fabrics such as cotton, jute, silk and wool are obtained from plants and animals. These are called

- (A) Natural fibers
- (B) Rayon fiber
- (C) Artificial fibers
- (D) Nylon fiber

Sol. (A)

As they are obtained naturally.

8. Tiger is a _____ because it eats only meat.

- (A) Carnivorous animal
- (B) Herbivorous animal
- (C) Omnivorous animal
- (D) Ovivorous animal

Sol. (A)

Fact

(A) We get sugar from _____.

- (A) Sugar cane
- (B) Rice
- (C) Milk
- (D) Wheat

Sol. (A)

Sugar cane consists of good amount of sugar.

9. Deer eats only plant products and so, is called _____.

- (A) Carnivorous animal
- (B) Herbivorous animal
- (C) Omnivorous animal
- (D) Ovivorous animal

Sol. (B)

Herbivores depend upon herbs specifically.

10. Brinjal curry is made with green colour brinjals. Brinjal is a

- (A) Fruit
- (B) Seed
- (C) Flower
- (D) Leaf

Sol. (A)

Brinjal justify the definition of fruit.

11. Which parts of the banana plant can be used as food

- (A) Fruit, leaf, root, stem
- (B) Fruit, stem, flower,
- (C) Stem, flower, root
- (D) Flower, root , leaf

Sol. (B)
Fact

12. Which parts of the mustard plant can be used as food

- (A) seed and stem
- (B) seed and leaf
- (C) stem and root
- (D) root and seed

Sol. (B)
Fact

13. The major nutrients present in the following food stuff is

- (A) Fats
- (B) Carbohydrates
- (C) Proteins
- (D) Vitamins and minerals



Sol. (A)
Oil is a type of fat

14. The main carbohydrate found in our food is in the form of _____ & _____.

- (A) Vitamins and minerals
- (B) Starch and sugars
- (C) Dhals and grams
- (D) Oil and ghee

Sol. (B)
Fact

15. Main function of Carbohydrates and fats in our body is

- (A) To provide Energy
- (B) Body building
- (C) Protecting body against diseases
- (D) Keeps bones and teeth healthy

Sol. (A)
Carbohydrates are a good source of energy.

16. Main function of Roughage in human body is:

- (A) To provide Energy
- (B) Body building
- (C) To get rid of undigested food.
- (D) Keeps bones and teeth healthy

Sol. (C)
Roughage help in food digestion.

17. For growth and maintenance of good health, our diet should have all the nutrients that our body needs, in right quantities. The diet should also contain a good quantity of water and roughage.

Such a diet is called as _____.

- (A) Obesity
- (B) A balanced diet
- (C) Deficiency disease
- (D) Fruits and vegetables

Sol. (b)
A balanced diet has all the nutrient.

18. Which vitamin is lost during cooking? (Hence it is important to include some fruits and raw vegetables in our diet)

- (A) Vitamin A
- (B) Vitamin B
- (C) Vitamin C
- (D) Vitamin D

Sol. (C)
Vitamin C is soluble in water and hence it gets evaporated with water.

19. The pod of cotton containing fibres and seeds is called a cotton ____

- (A) Flower
- (B) Fruit
- (C) Boll
- (D) Bloom

Sol. (C)

Fact