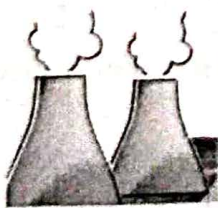


# Standard VI – Question Paper 2022

- Q. 1. Identify fossil fuels among the following.  
1. CNG      2. Biogas      3. Wood      4. Petrol  
(A) 1 and 2    (B) 1 and 3    (C) 1 and 4    (D) 2 and 4
- Q. 2. Arrange the following in chronological order:  
1. Copper Age      2. Iron Age      3. Stone Age  
(A) 1, 2, 3    (B) 1, 3, 2    (C) 3, 1, 2    (D) 3, 2, 1
- Q. 3. \_\_\_\_\_ is the first domesticated animal.  
(A) Dog      (B) Cat      (C) Horse      (D) Cow
- Q. 4. Which statement among the following is not beneficial to the environment?  
(A) Conserving the environment      (B) Inculcating scientific temper  
(C) Altering environment as per human needs      (D) Safeguard public property
- Q. 5. Which property among the following is not physical?  
(A) Solubility    (B) Fluidity    (C) pH      (D) Taste and colour
- Q. 6. Water is important in human body because \_\_\_\_\_.  
(A) it helps in digestion      (B) it helps to remove waste material  
(C) it controls body temperature      (D) All of the above
- Q. 7.  $75^{\circ}\text{C} =$  \_\_\_\_\_  $^{\circ}\text{K}$   
(A) 75      (B) 348      (C) 198      (D) 373
- Q. 8. If a pearl necklace breaks and pearls fall to the ground, identify the type of motion of each pearl on the ground.  
(A) Linear motion      (B) Oscillatory motion  
(C) Random motion      (D) Periodic motion
- Q. 9. Find the non-renewable energy source:



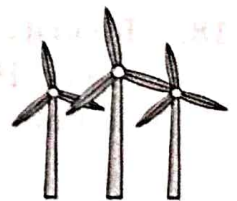
P



Q



R



S

(A) P

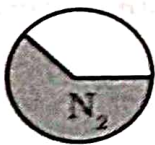
(B) Q

(C) R

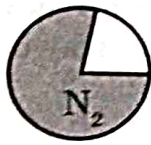
(D) S

Question Paper 2022

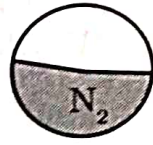
- Q. 10. When sound is reflected from any surface, then \_\_\_\_\_  
Ⓐ angle of incidence  $<$  angle of reflection  
Ⓑ angle of incidence = angle of reflection  
Ⓒ angle of incidence is  $90^\circ$   
Ⓓ angle of incidence  $>$  angle of reflection
- Q. 11. Umbra is formed by \_\_\_\_\_  
Ⓐ opaque object  
Ⓑ translucent object  
Ⓒ transparent object  
Ⓓ translucent and transparent object
- Q. 12. Which climate is responsible for spoilage of food grains?  
Ⓐ Hot and dry      Ⓑ Cold and dry  
Ⓒ Hot and humid    Ⓓ Cold and humid
- Q. 13. Which of the following is not a property of Jute?  
Ⓐ Strong      Ⓑ Biodegradable      Ⓒ Durable      Ⓓ Softness
- Q. 14. Which of the following plants has edible roots and leaves?  
Ⓐ Potato      Ⓑ Cabbage      Ⓒ Radish      Ⓓ Mustard
- Q. 15. Identify the correct picture that shows the proportion of Nitrogen in air.



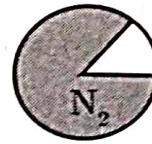
Ⓐ



Ⓑ



Ⓒ



Ⓓ

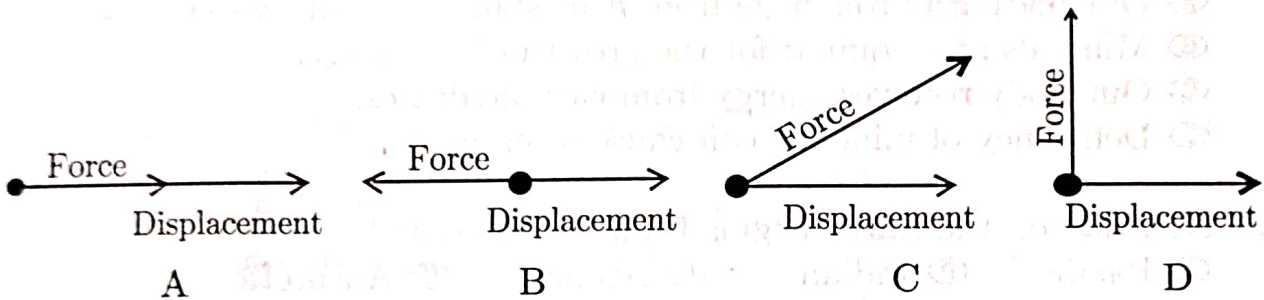
- Q. 16. Which stage in the lifecycle of a butterfly is a nuisance according to humans?  
Ⓐ Egg      Ⓑ Caterpillar      Ⓒ Cocoon      Ⓓ Butterfly
- Q. 17. P is an inner planet and it rotates from east to west. Name the planet P.  
Ⓐ Venus      Ⓑ Jupiter      Ⓒ Mercury      Ⓓ Uranus
- Q. 18. Identify the correlation and choose the correct alternative.  
Homo Habilis: \_\_\_\_\_ :: Homo Erectus: Human with a vertebral column
- Ⓐ Strong human      Ⓑ Human using hands skillfully  
Ⓒ Intelligent human      Ⓓ Primitive man

- Q. 19. Choose the wrong statement with respect to equator.
- (A) Equator is the longest latitude.
  - (B) Equator has day and night of 12 hours each
  - (C) Equator is entirely part of the lithosphere
  - (D) Equator divides the Earth in northern and southern hemispheres.

- Q. 20. Which of the following types of pollution is increased due to modern lifestyle?
- (A) Natural pollution
  - (B) Industrial pollution
  - (C) Pollution due to transport
  - (D) Water pollution

- Q. 21. A spoonful of powdered sugar is added to some water. Then a pinch of turmeric powder is added and the mixture is stirred well. The colour changed to red. Identify the adulterant in the powdered sugar.
- (A) Sodium chloride
  - (B) Sodium carbonate
  - (C) Sodium sulphate
  - (D) Rice flour

- Q. 22. In which case of the position of force and displacement, work won't be done?



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

- Q. 23. Ramesh, Sampada, Ajay and Smita do the following activity with the strip of a magnet. Which step is useful for safety of the magnet?
- (A) Ramesh heats up the bar magnet.
  - (B) Sampada keeps soft iron plates on both poles.
  - (C) Ajay hits the bar magnet with a hammer.
  - (D) Smita throws magnet from the height again and again.

- Q. 24. Which disease is caused due to the infection of H5N1 virus?
- (A) AIDS
  - (B) Swine Flue
  - (C) Bird Flue
  - (D) Cholera

- Q. 25. The tallest and longest mountain in our solar system is on \_\_\_\_\_.

- (A) Earth
- (B) Jupiter
- (C) Mars
- (D) Venus

- Q. 26. 180 Seconds : 3 Minutes :: 138 Minutes : \_\_\_\_\_ Hours

- (A) 2.3
- (B) 2.18
- (C) 2.5
- (D) 2.4

Q. 27. Choose the correct statement about plants.

- Ⓐ They don't respire during daytime
- Ⓑ They carry out photosynthesis in the day and respiration in the night.
- Ⓒ They carry out photosynthesis and respiration in the day and respiration in the night.
- Ⓓ Roots absorb water during daytime.

Q. 28. Which force is required for painting, dusting with cloth, writing and scrubbing?

- Ⓐ Gravitational Force
- Ⓑ Frictional Force
- Ⓒ Static-Electric Force
- Ⓓ Magnetic Force

Q. 29. Why do tigers live in the jungle?

- Ⓐ It is a wild animal
- Ⓑ It is scared of humans
- Ⓒ It likes jungle
- Ⓓ All its needs are fulfilled in the jungle

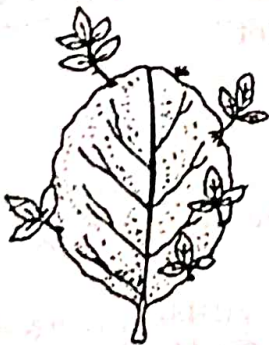
Q. 30. Identify the wrong statement from the following:

- Ⓐ Our body gets roughage from fruit skins and leafy vegetables.
- Ⓑ Minerals are required for the growth of our body.
- Ⓒ Our body receives energy from carbohydrates.
- Ⓓ Deficiency of minerals can cause diseases.

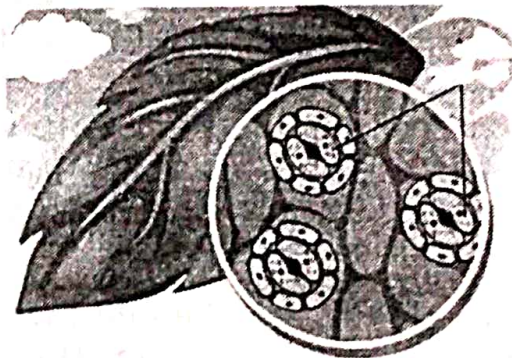
Q. 31. New day on the Earth begins from which ocean?

- Ⓐ Pacific
- Ⓑ Indian
- Ⓒ Atlantic
- Ⓓ Antarctic

Q. 32. Select the correct alternative for E and F with respect to characteristics of living things.



E



F

- Ⓐ Reproduction - Respiration
- Ⓑ Excretion - Growth
- Ⓒ Responsiveness to stimulus - Respiration
- Ⓓ Excretion - Reproduction

Q. 33. In which irrigation system do we get the following benefits?

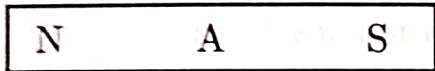
- 1) 30 to 80% of water can be saved.
- 2) Aeration of the soil is preserved.
- 3) Fertilizers reach to the roots directly.
- 4) Water is supplied to the crop and not to the soil.

- Ⓐ Water through channels      Ⓑ Sprinkle irrigation  
 Ⓒ Drip irrigation                      Ⓓ Farm lake

Q. 34. When clothes dry up, \_\_\_\_\_ happens.

- Ⓐ boiling      Ⓑ evaporation      Ⓒ condensation      Ⓓ sublimation

Q. 35. Ramesh moves a magnet in the sand containing iron pins. In this action, what should be the observation of the pins which stuck to the magnet.



- Ⓐ Increases from A to S and decreases till N.  
 Ⓑ Goes on decreasing from A towards both ends.  
 Ⓒ Decreases from A to S and increases till N.  
 Ⓓ Will increase from A till both ends.

Q. 36. Which quantity will be different in 1 kg iron and 1 kg cotton?

- Ⓐ Weight      Ⓑ Volume      Ⓒ Mass      Ⓓ Gravitational force

Q. 37. A water tank supplying water to the village is built on a hill so that \_\_\_\_\_.

- Ⓐ it is visible                                      Ⓑ it is safe  
 Ⓒ water can reach the entire village      Ⓓ more water can be stored

Q. 38. Identify the correlation.

Mango *Poli* (*Aam Papad*) : Ratnagiri :: Orange *Burfi* : P :: Raisins : Q

- Ⓐ Nagpur - P, Sangli - Q      Ⓑ Nashik - P, Dhule - Q  
 Ⓒ Nagpur - P, Pune - Q      Ⓓ Akola - P, Nagpur - Q

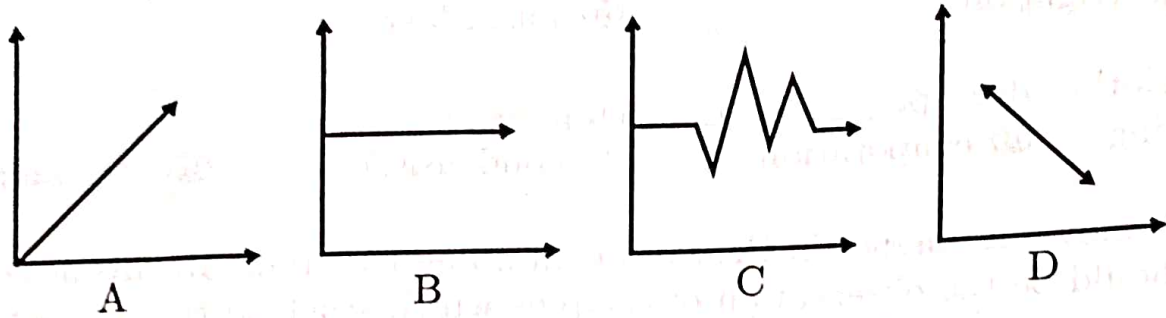
Q. 39. What one should do if he/she is present at the place of a landslide.

- Ⓐ Find shelter nearby      Ⓑ Stay in a vehicle  
 Ⓒ Go away from such place      Ⓓ Call the help centers

Q. 40. Which of the following forces affect on object without touching it?  
 P) Gravitational force                      Q) Magnetic force  
 R) Muscular force                            S) Static-Electric force

- Ⓐ P, Q, R    Ⓑ Q, R, S    Ⓒ P, Q, S    Ⓓ P, R, S

Q. 41. Which graph shows the process of human respiration?

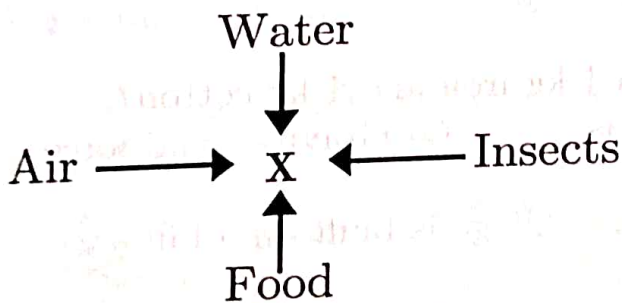


- Ⓐ A                      Ⓑ B                      Ⓒ C                      Ⓓ D

Q. 42. Which characteristic of the magnet is used in maglev trains?

- Ⓐ Attraction between unlike poles  
 Ⓑ Attraction towards iron  
 Ⓒ Repulsion between like poles  
 Ⓓ Freely suspended magnet rest in north-south direction

Q. 43. Choose the correct alternative for X



- Ⓐ Factors essential for survival                      Ⓑ Abiotic factors  
 Ⓒ Factors spreading diseases                        Ⓓ Seed dispersing agents

Q. 44. Homosapiens would mostly hunt animals like \_\_\_\_\_.

- Ⓐ Fish                      Ⓑ Elephant                      Ⓒ Mammoth                      Ⓓ Lion

Q. 45. If we travel from the northern end of India to the south, we will cross the states in which order?

- Ⓐ Gujarat, Himachal Pradesh, Karnataka, Telangana  
 Ⓑ Gujarat, Telangana, Karnataka, Himachal Pradesh  
 Ⓒ Himachal Pradesh, Gujarat, Telangana, Karnataka  
 Ⓓ Himachal Pradesh, Gujarat, Karnataka, Telangana

Q. 46. Arrange the following organs of the human body in the decreasing order of their size.

P. Heart      Q. Kidney      R. Liver      S. Gallbladder

- Ⓐ R > S > P > Q      Ⓑ R > S > Q > P  
 Ⓒ R > P > Q > S      Ⓓ S > R > P > Q

Q. 47. What is responsible for Malaria and Black fever?

- Ⓐ Bacteria    Ⓑ Fungus    Ⓒ Protozoa    Ⓓ Virus

Q. 48. *Guess Who am I?*

I live in the trees.

I store useful things for humans in my house. My house is tough. If anyone troubles me, I attack them.

- Ⓐ Ant      Ⓑ Grasshopper      Ⓒ Honeybee      Ⓓ Squirrel

Q. 49. Why is tree plantation necessary?

P - To reduce soil erosion

Q - To maintain balance in proportion of gases in air

R - Soil gets aerated

- Ⓐ P      Ⓑ R      Ⓒ P, Q      Ⓓ P, Q, R

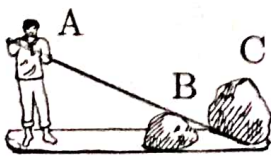
Q. 50. Which of these substances is not used in paper making?

- Ⓐ Aluminium      Ⓑ Grass      Ⓒ Wood      Ⓓ Tatters

Q. 51. What should one do when lightening takes place?

- Ⓐ Stand under a tree in the open ground  
 Ⓑ Gather at one place  
 Ⓒ Walk barefoot on the road  
 Ⓓ Take shelter in the house having electrical deterrent (*Vidyut Nivarak*)

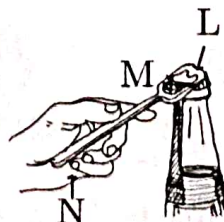
Q. 52. Given pairs indicate figure number and point of fulcrum. Choose the correct option for all figures.



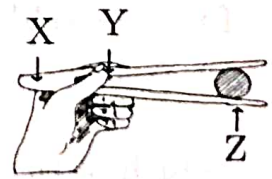
1



2



3



4

- Ⓐ 1 - B, 2 - Q, 3 - L, 4 - X  
 Ⓒ 1 - C, 2 - R, 3 - N, 4 - Z

- Ⓑ 1 - A, 2 - P, 3 - M, 4 - Y  
 Ⓓ 1 - B, 2 - Q, 3 - M, 4 - X

Q. 53. *Guess Who am I?*

I am a biennial plant. I store food in my roots.

- (A) Potato    (B) Beet    (C) Ginger    (D) Groundnut

Q. 54. 100 bricks need to be carried at a height of 10 metres. Mohan completes this work in 1 hour whereas Kasim takes 2 hours to do the same work. What can you say about the work done by them?

- (A) Work done by both is the same.  
(B) Work done by Mohan is more than Kasim.  
(C) Work done by Kasim is more than Mohan.  
(D) Can't say.

Q. 55. Identify the odd man out from the following:

Taeniasis : Scabies : Headache : Measles

- (A) Taeniasis    (B) Measles    (C) Headache    (D) Scabies

Q. 56. Which of the following mixtures of two substances can be separated by distillation method?

- (A) Substances with different density  
(B) Substances with different boiling points  
(C) Substances with different colours  
(D) Substances with different solubility

Q. 57. Find the odd one out with respect to types of roots.

- (A) Corn    (B) Grass  
(C) Banana    (D) Fenugreek (*Methi*)

Q. 58. According to the Food and Agriculture Organisation (FAO) of the United Nations, which of the following is the staple food of half the population of the world?

- (A) Rice    (B) Wheat    (C) Oats    (D) Soyabeans

Q. 59. Find the odd one out.

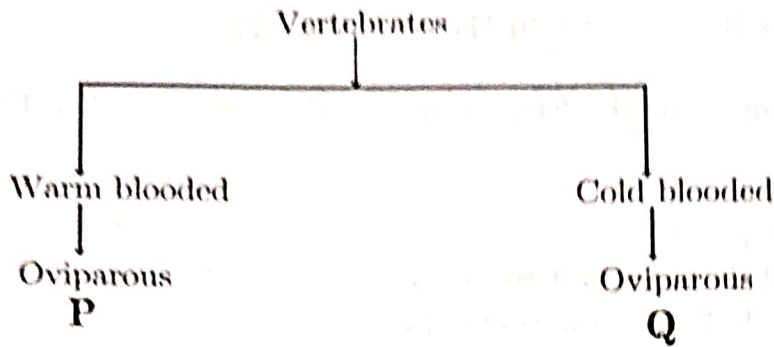
- (A) Bay    (B) Strait    (C) Island    (D) Ocean

Q. 60. Which of the following techniques does not help to make water germ-free?

- (A) Filtration    (B) Adding chlorine tablets  
(C) Swirling alum    (D) Boiling



Q. 61. Observe the following flow chart and choose the correct alternative for P and Q respectively,

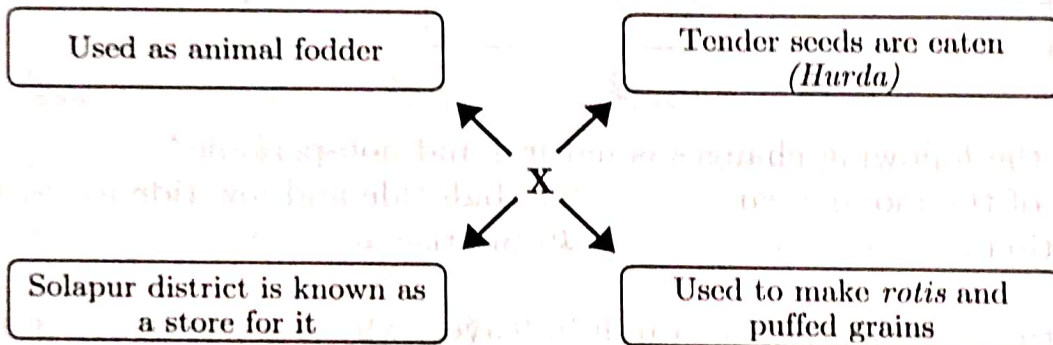


- (A) Snake, Termite (white ant)      (B) Pigeon, Tortoise  
 (C) Crocodile, Starfish              (D) Tiger, Grasshopper

Q. 62. Which statement is true regarding volcanic eruptions in the ocean?

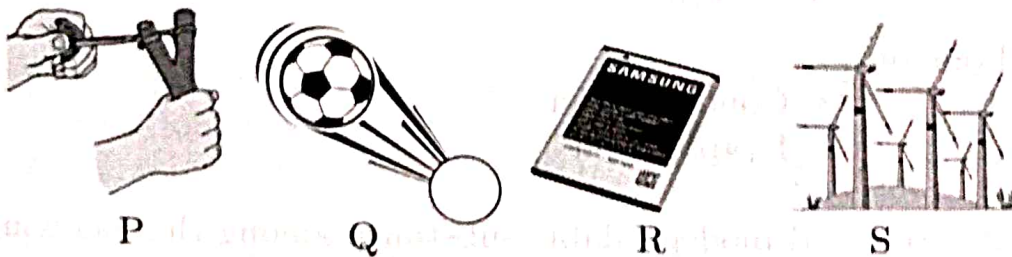
- (A) Only liquids are pushed out due to underground movements.  
 (B) Air is polluted due to ash and gases come out.  
 (C) Hills and mountains are created.  
 (D) Islands are formed due to volcanic eruptions.

Q. 63. Identify the cereal suitable at place X



- (A) Rice      (B) Wheat      (C) Ragi (Nachani)      (D) Jowar

Q. 64. Choose the correct order of the energies shown in the pictures.



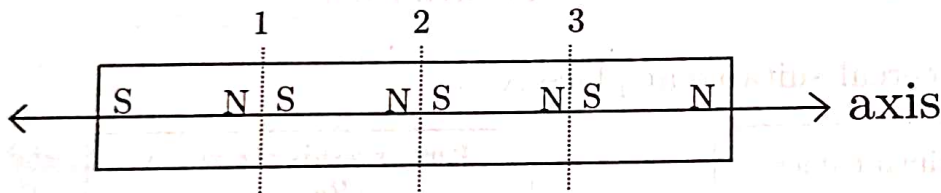
- (A) P - Potential energy, Q - Kinetic energy, R - Electrical energy, S - Wind energy  
 (B) P - Potential energy, Q - Kinetic energy, R - Chemical energy, S - Wind energy  
 (C) P - Wind energy, Q - Chemical energy, R - Kinetic energy, S - Potential energy  
 (D) P - Potential energy, Q - Wind energy, R - Kinetic energy, S - Chemical energy

Q. 65. If one sound wave completes 20 vibrations in 2.5 seconds, then determine the frequency of that wave.  
 (A) 200 Hz (B) 50 Hz (C) 20 Hz (D) 8 Hz

Q. 66. Harmful rays coming from the Sun turn to polar region of the Earth because \_\_\_\_\_.  
 (A) Earth has living world  
 (B) Earth has an atmosphere  
 (C) 70% of the Earth is occupied by water  
 (D) Earth is surrounded by a magnetic field

Q. 67. Which motion among the following is oscillatory?  
 (A) A fast-moving car (B) Pendulum  
 (C) Hands of a clock (D) Revolution of the Earth around the Sun

Q. 68. If a bar magnet is cut at three points perpendicular to its axis, \_\_\_\_\_ bar magnets will be formed and \_\_\_\_\_ N poles will be formed.  
 (A) 4, 8 (B) 4, 4 (C) 8, 8 (D) 8, 4



Q. 69. Which of the following changes is natural and non-periodic?  
 (A) Speed of the moving car (B) High tide and low tide in the sea  
 (C) Erruption of a volcano (D) Sunrise and sunset

Q. 70. While testing the presence of starch in leaves, why is a leaf boiled in spirit?  
 (A) To soften the leaf  
 (B) To remove the green colour of the leaf  
 (C) To stop the process of photosynthesis  
 (D) To stop the loss of water from the leaf

Q. 71. Find the odd one out:  
 (A) Boiling (B) Condensation  
 (C) Sublimation (D) Evaporation

Q. 72. Identify a vegetative and biodegradable substance among the following:  
 (A) Leather (B) Silk (C) Rayon (D) Cotton

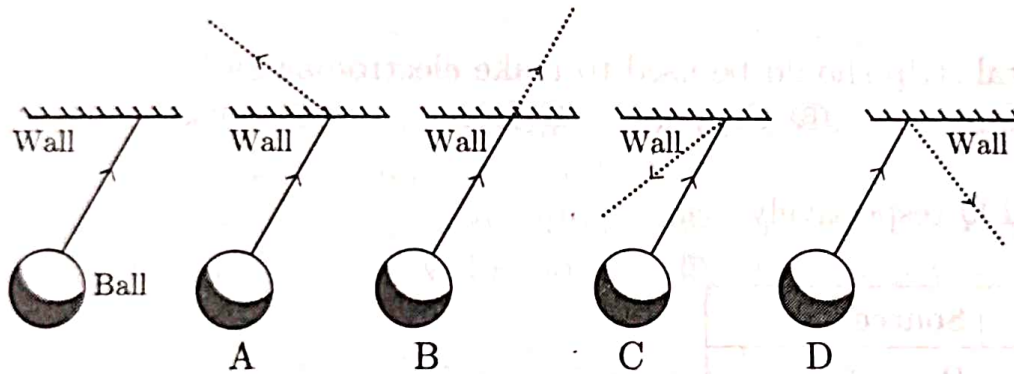
Q. 73. Which disease is not related to bones among the following?  
 (A) Rickets (B) Arthritis (C) Knee pain (D) Scurvy

Q. 74. *Guess Who am I?*  
I look green in colour, taste astringent. Even if you cook me or dry me up, I am always rich in vitamins.  
(A) Red pumpkin (B) Guava  
(C) Indian gooseberry (Amla) (D) Orange

Q. 75. How does vaccination help us?  
(A) It controls every disease. (B) It kills microbes in the infected area.  
(C) It improves immunity. (D) It increases power of the body.

Q. 76. In India, forest region is 16.1%, non-agricultural land is 10.2%, grazing land is 7.9%, waste land is 12.8%. What should be the percentage of agricultural land?  
(A) 47% (B) 50% (C) 53% (D) 56%

Q. 77. If one ball hits a wall as shown in figure from a flat surface. What would be the correct choice for the direction of motion of the ball after impact?



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

Q. 78. In which of the following activities hinge joints are used?  
(A) While kicking a football (B) While lifting a load  
(C) While opening a fridge (D) All of the above

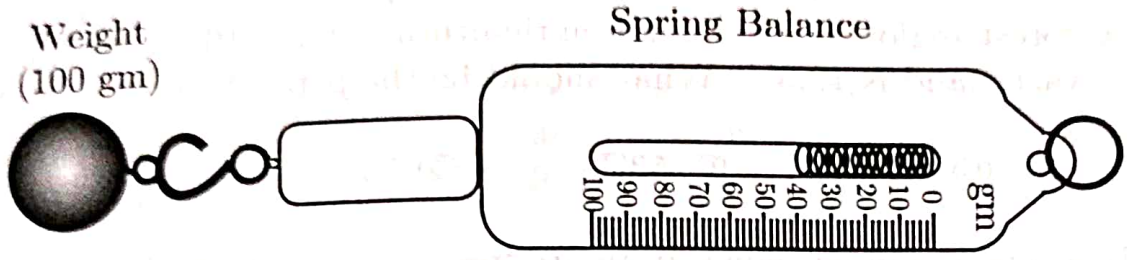
Q. 79. Which layer of soil contains worms-insects?  
(A) Humus (B) Soil (C) Immature soil (D) Rocks

Q. 80. If we consider the total waste water stored on the earth is 100 ml and the distribution of water is as given. Which alternative shows water in ice form?  
(A) 0.3 ml (B) 97 ml (C) 0.7 ml (D) 2 ml

Q. 81. A long chain formed by joining many similar molecules is known as \_\_\_\_\_.  
(A) Polymer (B) Hydrocarbon (C) Vulcanisation (D) Galvanisation

- Q. 82. Identify the false statement about 'water hyacinth'.
- (A) Growth of mosquitoes increases
  - (B) Rate of diffusion of oxygen in water decreases
  - (C) Grows fast in stagnant water
  - (D) Grows fast in running water

- Q. 83. As shown in the figure, a block of mass 100 gm was pulled on the surfaces P, Q, R, S using a spring balance and showed the mark as 80 gm, 65 gm, 50 gm, 45 gm respectively. Which surface out of P, Q, R, S is smoother?



- (A) P      (B) Q      (C) R      (D) S

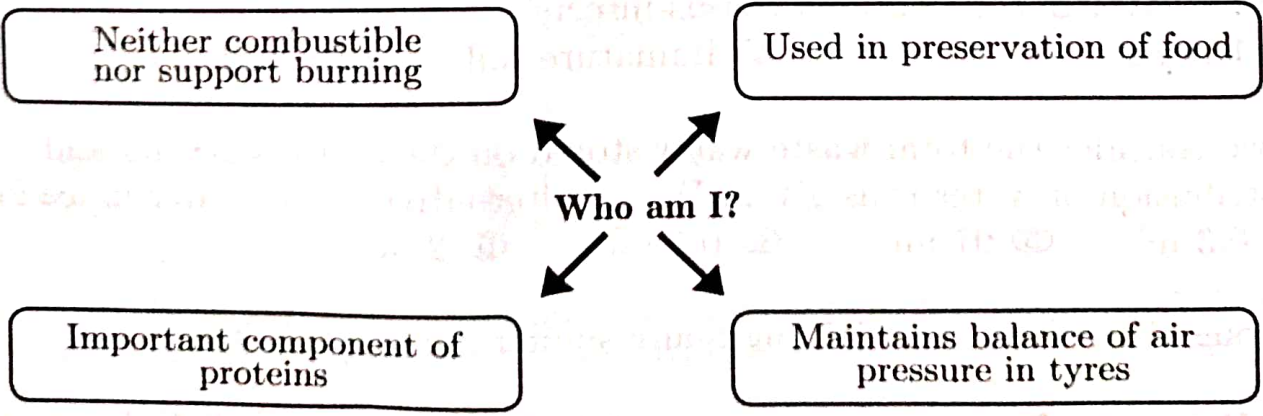
- Q. 84. Which metal strip should be used to make electromagnet?
- (A) Aluminium
  - (B) Copper
  - (C) Iron
  - (D) Silver

- Q. 85. Find P and Q respectively

Nutrient	Source
Iron	P
Q	Fish

- (A) Spinach, Iodine
- (B) Milk, Calcium
- (C) Salt, Sodium
- (D) Chesse, Potassium

- Q. 86. Guess Who am I?



- (A) CO<sub>2</sub>      (B) N<sub>2</sub>      (C) O<sub>2</sub>      (D) Cl<sub>2</sub>

- Q. 87. Which unit is used to measure the speed of the ball of a bowler?  
Ⓐ cm/second      Ⓑ m/second      Ⓒ km/hour      Ⓓ m/hour
- Q. 88. How to many pairs of ribs are present in the human rib cage?  
Ⓐ 12      Ⓑ 24      Ⓒ 36      Ⓓ 10
- Q. 89. Frequency of infrasonic waves is \_\_\_\_\_ the frequency of ultrasonic waves.  
Ⓐ less than      Ⓑ more than      Ⓒ equal to      Ⓓ equal or more than
- Q. 90. Periscope can be used:  
Ⓐ to see objects around the corner  
Ⓑ to observe machine parts underneath the car without bending down  
Ⓒ to see far away objects  
Ⓓ to see minute objects
- Q. 91. Which among the following is not a primary colour?  
Ⓐ Red      Ⓑ Yellow      Ⓒ Black      Ⓓ Blue
- Q. 92. When we apply soap while washing clothes and rinse in water, which of the following actions take place respectively?  
Ⓐ Chemical action, Physical action      Ⓑ Physical action, Chemical action  
Ⓒ Physical action, Physical action      Ⓓ Chemical action, Chemical action
- Q. 93. Two toy cars are made of plastic with metal strips stuck on them. If we place them facing each other, they move towards each other. What can we conclude from this observation?  
1) Both metal strips are magnets with like poles facing each other.  
2) Both metal strips are magnets with unlike poles facing each other.  
3) Both the strips are made of iron.  
4) One strip is magnet and other one is made of iron.  
Ⓐ 1      Ⓑ 2      Ⓒ 1, 4      Ⓓ 2, 4
- Q. 94. It is difficult to push an inverted glass in a bucket full of water. But if it is tilted, it can be pushed easily. Which property of air is seen here?  
Ⓐ Air produces pressure      Ⓑ Air has mass  
Ⓒ Air occupies space      Ⓓ All of the above
- Q. 95. Number of images formed in a Kaleidoscope are \_\_\_\_\_.  
Ⓐ 3      Ⓑ 4      Ⓒ 5      Ⓓ 6

- Q. 96. When we enter a mall, we enter through a frame which is used to \_\_\_\_\_.
- Ⓐ click photographs for safety purpose.
  - Ⓑ search for food items carried by people.
  - Ⓒ count the number of visitors.
  - Ⓓ check metallic object carried by people.
- Q. 97. What is the advantage of having two ears over having one?
- Ⓐ Can hear sound more clearly.
  - Ⓑ If one ear stops functioning, you can use the other.
  - Ⓒ Can find the direction of the sound.
  - Ⓓ Human face looks symmetrical.
- Q. 98. Which part of the body helps a bird to fly?
- 1) Tail                      2) Hollow bones
  - 3) Beak                      4) Sharp claws
- Ⓐ 1, 2, 3, 4                      Ⓑ 1, 2, 3                      Ⓒ 1, 2                      Ⓓ 2
- Q. 99. Who does the maximum work in the following cases?
- 1) Ajay is standing with a box on his head
  - 2) Amar pulls the same box on the ground for 1 meter
  - 3) Anil picks up the same box and keeps it at a height of 1 meter
- Ⓐ Ajay                      Ⓑ Amar                      Ⓒ Anil                      Ⓓ Amar and Anil
- Q. 100. Find the odd one out:
- Ⓐ Mongoose                      Ⓑ Chameleon                      Ⓒ Lizard                      Ⓓ Salamander