



QUESTIONS **40**



TOTAL MARKS **80**



DURATION **60 mins**

GRADE

2

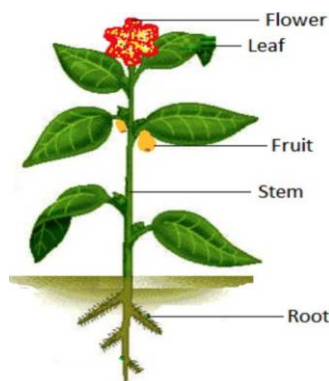
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1. What do you call a place that is very dry and does not get much rain?

- | | |
|-------------|------------|
| (A) Forest | (B) Desert |
| (C) Wetland | (D) Ocean |

2. Which part of the plant makes food for the plant?



- | | |
|------------|------------|
| (A) Root | (B) Stem |
| (C) Flower | (D) Leaves |

3. Moving lets animals find water, food and _____.

- | | |
|----------|-------------|
| (A) air | (B) soil |
| (C) tree | (D) shelter |

4. A stray cat finds its way to your yard. It looks sick and hungry. What will you do?

- | | |
|----------------------------|-------------------------------|
| (A) Feed it then leave it. | (B) Feed and take care of it. |
| (C) Stare at it. | (D) Shoo it away. |

5. Birds make _____ to lay eggs.

- (A) cage (B) web
(C) hive (D) nests

6. Which of the following is not a sense organ?

- (A) Ear (B) Nose
(C) Hair (D) Tongue

7. Which of the following statement is NOT correct?

- (A) We should eat fast food.
(B) We should wash vegetables before cooking.
(C) We should wash fruits before eating.
(D) We should drink milk every day.

8. When you work or play, your body changes the food you eat into _____.

- (A) fat (B) energy
(C) liquid (D) protein

9. Which of the following is a WRONG statement?



- (A) Walk on the footpath.
(B) Stand in a queue at the bus stop.
(C) Do not get into or off a moving bus.
(D) Do not obey the traffic rules.

10. Which one of the following is NOT a bad touch?

- (A) Touching private parts
(B) Slapping
(C) Hugging
(D) None of the above.

11. When are good times to brush your teeth during the day?

- (A) Before eating and after eating, before bed
(B) Whenever you wish
(C) In the morning after breakfast
(D) After lunch

12. How can we keep the surroundings of our home clean?

- (A) Throw garbage outside the house.
(B) Remove plants that grow outside the house.
(C) Plant more trees.
(D) Paint the outside wall of the house in an attractive colour.

13. What is meditation?

- (A) Clearing your mind of all thoughts.
 - (B) Thinking about all of the tasks that you have to finish.
 - (C) Focusing on things that worry you.
 - (D) Quick breaths
-

14. Which of the following is NOT a source of drinking water?

- (A) Tap
 - (B) Sea
 - (C) River
 - (D) Stream
-

15. In comparison with pollution on the land, noise pollution is _____.

- (A) dangerous
 - (B) invisible
 - (C) not a good thing
 - (D) None of the above
-

16. What plant would you most likely find in the forest?

- (A) Lotus
 - (B) Seaweed
 - (C) Tall trees
 - (D) Palm trees
-

17. Plants need _____ from the soil.

- (A) water and minerals
 - (B) minerals and tiny granules
 - (C) rocks and water
 - (D) air and tiny granules
-

18. Tortoise has hard _____ to keep them safe from predators.

- (A) claws
 - (B) fur
 - (C) shell
 - (D) None of the above
-

19. This animal eats grass and provides milk to us.

- (A) Cow
 - (B) Dog
 - (C) Cat
 - (D) Pig
-

20. In which habitat do squirrels, deer and woodpeckers live?

- (A) Forest
 - (B) Desert
 - (C) Ocean
 - (D) Wetland
-

21. Our skin gives us a sense of _____.

- (A) taste
 - (B) touch
 - (C) smell
 - (D) movement
-

22. Which of the following would be a balanced meal?

- (A) Doughnuts and soda
 - (B) Potato chips and milk
 - (C) Eggs, toast, orange juice and milk
 - (D) An apple and a banana
-

23. Which of the following are cereals?

- (A) butter, ghee, cheese
 - (B) rice, wheat, oats, corn
 - (C) sugar, salt, bread
 - (D) potato, carrot, cabbage
-

24. Which of the following is safe for sharpening a pencil?

- | | |
|------------------------|-----------------|
| (A) A blade | (B) A knife |
| (C) A pair of scissors | (D) A sharpener |

25. A good touch is a way to show _____.

- | | |
|-------------|------------------|
| (A) Love | (B) Care |
| (C) Concern | (D) All of these |

26. What is the easiest way to prevent covid - 19?

- | | |
|--------------------|-----------------------------|
| (A) Wearing a mask | (B) Keeping a safe distance |
| (C) Washing hands | (D) All of the above |

27. Litter and trash that people drop all around the ground, _____.

- (A) can be harmful to children
 (B) can be harmful to animals
 (C) can be harmful to the surroundings
 (D) All of the above

28. The team members/anyone playing a game are/is called a _____.

- | | |
|--------------|---------------|
| (A) audience | (B) player |
| (C) referee | (D) conductor |

29. What do we get from rain?

- | | |
|-----------|-----------------------|
| (A) Food | (B) Air |
| (C) Water | (D) None of the above |

30. When does noise become pollution?

- (A) when it gets too loud or lasts too long
 (B) when it comes from musical instruments
 (C) when it is close to your house
 (D) when it is produced from fireworks

31. Which plant grows in a desert and can store water in its stems?

- | | |
|------------|----------------|
| (A) Cactus | (B) Kelp |
| (C) Grass | (D) Water lily |

32. What is the function of the flower?

- | | |
|----------------------------------|---------------------------------------|
| (A) It makes food for the plant. | (B) It absorbs water from the ground. |
| (C) It helps in reproduction. | (D) None of the above. |

33. Which of the following is known as the bird of prey?

- | | |
|-----------|-----------------------|
| (A) Crow | (B) Parrot |
| (C) Eagle | (D) None of the above |

34. Rabbit : Burrow :: _____ : Hill

- | | |
|---------|----------|
| (A) Ant | (B) Bull |
| (C) Pig | (D) Hen |

35. The _____ give humans or animals some kind of information around them.

- | | |
|------------------|----------|
| (A) mouth | (B) ribs |
| (C) sense organs | (D) hair |

36. Which of the following is a good source of vitamins and minerals?

- (A) Fresh fruits and vegetables
 - (B) Eggs and milk
 - (C) Butter toast
 - (D) Chicken biryani
-

37. Besides washing your feet every day, what else should you do every day for proper foot hygiene?

- (A) Remain barefoot at home.
 - (B) Leave your shoes outside the house.
 - (C) Spray perfume on your socks.
 - (D) Use same footwear for home and outside.
-

38. What happens to the waste we throw into neighbourhood bins?

- (A) Some waste rot and mix with the soil.
 - (B) Ragpickers collect certain things and sell.
 - (C) Both A and B.
 - (D) Neither A nor B.
-

39. Which of the following is built to use river water?

- | | |
|-------------|------------|
| (A) Road | (B) Bridge |
| (C) Flyover | (D) Dam |
-

40. How can noise pollution hurt your health?

- (A) It can damage your hearing.
 - (B) It can give you headaches.
 - (C) It can make it difficult to sleep.
 - (D) All of the above.
-

ANSWERS

1 B	2 D	3 D	4 B	5 D	6 C	7 A	8 B	9 D	10 C
11 A	12 C	13 A	14 B	15 B	16 C	17 A	18 C	19 A	20 A
21 B	22 C	23 B	24 D	25 D	26 D	27 D	28 B	29 C	30 A
31 A	32 C	33 C	34 A	35 C	36 A	37 B	38 C	39 D	40 D



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TOTAL MARKS **80**



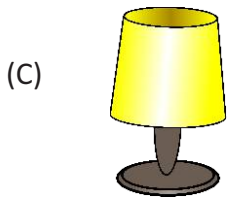
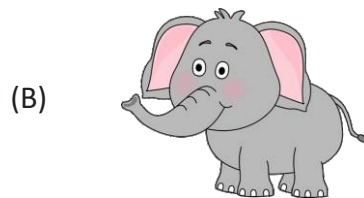
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GRADE
3

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1. Choose the living thing from the pictures shown below:



2. A tree is protected by an outer covering called _____.

- (A) crown (B) bark
(C) branch (D) trunk

3. A caterpillar grows up to become a _____.

- (A) dragonfly (B) earthworm
(C) snail (D) butterfly

4. Which of the following birds uses its beak to catch fish from water?

- (A) Eagle (B) Parrot
(C) Vulture (D) Crane

5. The reproductive system helps in _____.

- (A) producing babies
- (B) digesting food
- (C) removing waste from the body
- (D) taking breath

6. _____ are the air bags in our chest.

- (A) Lungs
- (B) Brain
- (C) Intestine
- (D) Stomach

7. How do we deduct that LPG is leaking?

- (A) Fumes in the air are visible.
- (B) We cannot detect it
- (C) By its smell
- (D) By its taste

8. When you see a stranger offering you a bribe to come with them, what should you do?



- (A) Do not go near him/her.
- (B) Run away from him/her.
- (C) Inform your parents.
- (D) All of the above.

9. How can you protect your computer from viruses?

- (A) Always remember to log off when you have finished using the computer.
- (B) Never click the links that you get from people you don't know.
- (C) Your computer will protect itself.
- (D) All of the above.

10. Bullying includes _____.

- (A) threat
- (B) spreading rumours about someone
- (C) verbal abuse
- (D) All of the above

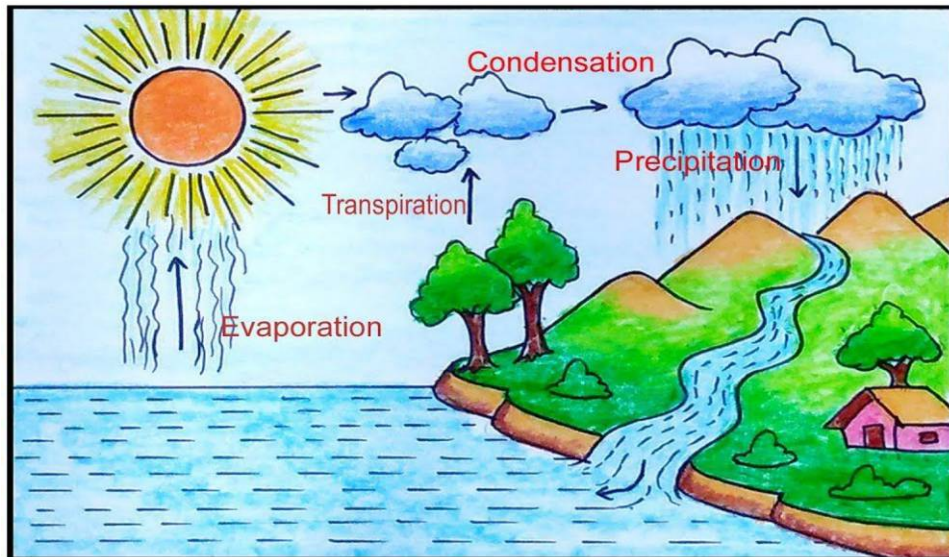
11. Eating here helps families build relationships.

- (A) in-front of the television
- (B) in our own bedrooms
- (C) at the dinner table
- (D) All of the above

12. Which of the following is the best way to save water at home?

- (A) Fix the leaking taps immediately.
- (B) Don't leave the tap running while you brush your teeth.
- (C) Rinse vegetables in a pan of water rather than under the running tap.
- (D) All of the above.

13. How does the water cycle begin?



- | | |
|-----------------------------|---------------------------|
| (A) With the ocean's energy | (B) With the Sun's energy |
| (C) With the wind energy | (D) With the rain energy |

14. The addition of harmful materials to the environment is known as _____.

- | | |
|-----------------|------------------|
| (A) pollution | (B) conservation |
| (C) water cycle | (D) recycle |

15. Plastic is _____ steel.

- (A) heavier than
(B) lighter than
(C) same as
(D) None of the above

16. Find the odd one out with respect to the state of matter.

- | | |
|-----------|--------------|
| (A) Stone | (B) Sugar |
| (C) Oil | (D) Bedsheet |

17. Which one of the following is the characteristic of a living thing?

- (A) Living things do not grow.
(B) Living things cannot move from place to place.
(C) Living things need food to live.
(D) Living things never die.

18. Which type of plant is a sunflower?

- | | |
|-----------|-------------|
| (A) Shrub | (B) Herb |
| (C) Tree | (D) Climber |

19. Insects respire through their _____.

- | | |
|-----------|-----------|
| (A) lungs | (B) gills |
| (C) skin | (D) fins |

20. Which of the following birds can fly to great heights?

- | | |
|-------------|-----------|
| (A) Ostrich | (B) Duck |
| (C) Sparrow | (D) Eagle |

21. Which organ is shown in the diagram?



- | | |
|-------------|-----------|
| (A) Lungs | (B) Liver |
| (C) Stomach | (D) Heart |

22. Breathing is a part of _____.

- | | |
|-----------------|---------------|
| (A) Circulation | (B) Digestion |
| (C) Respiration | (D) Excretion |

23. Pick the odd man out.

- (A) Keep the burnt area under running water.
- (B) Do not run on the road.
- (C) Do not play with scissors.
- (D) Do not put a sharp object in the nose.

24. What must you do if you experience bad touch?

- | | |
|-----------------------|--------------------|
| (A) Tell your parents | (B) Tell everybody |
| (C) Keep quiet | (D) Cry |

25. What is cyber bullying?

- (A) When someone does not respond to your text message.
- (B) When anyone uses the internet, a mobile, or other technology to deliberately upset you.
- (C) When someone sends you an e-mail giving you the answers to your homework.
- (D) All of the above.

26. If someone bullies you, you should _____.

- (A) bully that kid back
- (B) ignore the bully
- (C) feel unworthy
- (D) None of the above

27. Which of the following is NOT a part of healthy living?

- (A) Sleep
- (B) Cleanliness
- (C) Physical exercise
- (D) None of the above

28. We can obtain groundwater from _____.

- | | |
|----------------|-----------|
| (A) waterfalls | (B) wells |
| (C) lakes | (D) ponds |

29. In which of the following way the water moves from the land to the atmosphere?
(A) Precipitation (B) Sublimation
(C) Evaporation (D) Condensation
-
30. Which of the following is NOT one of the 3 R's that helps to conserve the environment?
(A) Recycle (B) Reuse
(C) Reduce (D) Replace
-
31. Which is the following is NOT a state of matter?
(A) Solid (B) Liquid
(C) Gas (D) Smoke
-
32. Living things need food, _____ and air to live.
(A) water (B) soil
(C) salt (D) fuel
-
33. Which of the following is a tree?
(A) Coriander (B) Rose
(C) Coconut (D) All of the above.
-
34. Our stomach is located _____.
(A) on the left side of the body (B) in the head
(C) on the right side of the body (D) in the chest
-
35. What carries oxygen to all parts of the body?
(A) Urine (B) Blood
(C) Saliva (D) None of the above.
-
36. It does not have a fixed shape or size. It takes the shape and volume of the container.
(A) Solid (B) Liquid
(C) Gas (D) Matter
-
37. Which of the following is an unhealthy habit?
(A) Sharing food
(B) Bathing every day
(C) Drinking boiled and filtered water
(D) Eating without washing hands
-
38. The natural source of pure water is _____.
(A) sea (B) river
(C) rain (D) pond
-
39. What are some ways that we can keep from polluting?
(A) We can use things that will not hurt the earth.
(B) We can carpool.
(C) We can recycle some things instead of throwing them away.
(D) All of the above.
-
40. Liquids _____ to change to a gas.
(A) condense (B) evaporate
(C) freeze (D) None of the above.
-

ANSWERS

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QUESTIONS **50**



TOTAL MARKS **100**



DURATION **60 mins**

GRADE

4

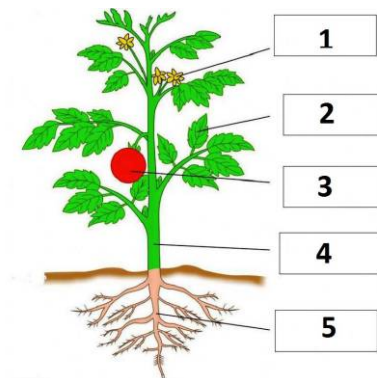
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1. Which of the following belong to spices?

- (A) Oats, Jowar (B) Sunflower, Groundnut
(C) Cinnamon, Black Pepper (D) None of the above

2. Name the part labelled as 1.



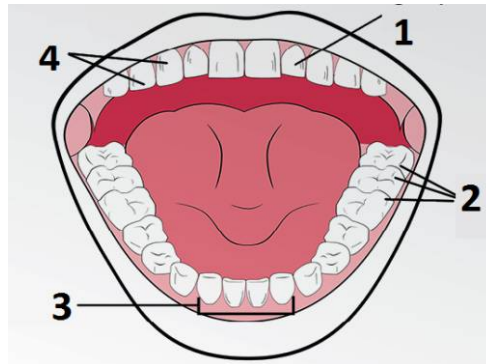
- (A) Stem (B) Fruit
(C) Leaf (D) Flower

3. Given below is a list of some plants and the habitats in which they grow. Which one is wrongly matched?

1. Mangroves: Marshy Region	2. Coconut: Coastal Region
3. Cactus: Hilly Region	4. Guava: Plains

- (A) 1 (B) 2
(C) 3 (D) 4

4. Observe the given diagram and identify the type of teeth labelled 2.



- (A) incisors
(B) canines
(C) premolars
(D) molars
5. What is the muscular tube that connects the mouth to the stomach called?
(A) Oesophagus
(B) Buccal cavity
(C) Nasal cavity
(D) None of the above
6. How many pairs of kidneys are there in the human body?
(A) 1
(B) 2
(C) 3
(D) 4
7. Fruits and vegetables contain plenty of _____.
(A) vitamins
(B) minerals
(C) roughage
(D) All of the above
8. Which of the following methods is better for solid waste disposal?
(A) Recycling
(B) Landfilling
(C) Both A and B
(D) Neither A nor B
9. Rati blew air into a balloon. It inflated. This shows that _____.



- (A) Air has no mass.
(B) Air is invisible.
(C) Air exerts pressure.
(D) Air occupies space.
10. Aaryan dissolved some sugar in water. The water became sweet.
What is the solute in this experiment?
(A) Water
(B) Sugar
(C) Sweet Water
(D) None of the above
11. The process of contamination of water bodies by pollutants is called _____.
(A) Air pollution
(B) Water pollution
(C) Soil pollution
(D) Land pollution

12. The unit used for measuring length is _____.

- (A) metre
- (B) centimetre
- (C) kilometre
- (D) All of the above

13. Observe the figure given below.



The man is applying _____ on the cart.

- (A) work
- (B) energy
- (C) force
- (D) All of the above

14. Anirudh kicks a football. It rolls on the ground to some distance and stops.

Which force stopped the ball?

- (A) Muscular force
- (B) Frictional force
- (C) Mechanical force
- (D) Gravitational force

15. Light travels in very narrow beams called _____.

- (A) Light rays
- (B) Electric rays
- (C) Bulb rays
- (D) None of the above

16. Which way of planting can reduce soil erosion on a steep hillside?

- (A) strip cropping
- (B) terrace cropping
- (C) crop rotation
- (D) All of the above

17. Which part of the plant is responsible for absorbing water and minerals from the soil?

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

18. A lotus plant has _____.

- (A) long leaves
- (B) needle-like leaves
- (C) no leaves
- (D) broad leaves

19. There are _____ canines in each jaw.

- (A) 1
- (B) 2
- (C) 3
- (D) 4

20. Digested food passes into the blood through walls of the _____.

- (A) intestine
- (B) stomach
- (C) liver
- (D) None of the above

21. Urine forms in the _____.
(A) kidneys (B) liver
(C) anus (D) None of the above
-
22. Which of the following vitamins is prepared in our body with the help of sunlight?
(A) Vitamin A (B) Vitamin B
(C) Vitamin C (D) Vitamin D
-
23. Why is burning waste not an acceptable practice of solid waste management?
(A) It is very costly.
(B) It requires modern technologies.
(C) It causes environmental problems.
(D) All of the above.
-
24. Which of the following gases make up maximum part of the air?
(A) Nitrogen and carbon dioxide (B) Oxygen and carbon dioxide
(C) Oxygen and nitrogen (D) None of the above
-
25. Which of the following is soluble in water?
(A) Sugar (B) Salt
(C) Detergent (D) All of the above
-
26. Air pollution may cause _____.
(A) Global warming (B) Acid rain
(C) Respiratory diseases (D) All of the above
-
27. The amount of liquid that a container can hold is indicated in _____.
(A) kilometre (B) litre
(C) gram (D) None of the above
-
28. An apple fall down a tree because _____.
(A) it cannot fly (B) of gravitational force
(C) got detached from the tree (D) All of the above
-
29. Which of the following statements is true?
(A) Friction makes a moving object move faster.
(B) Friction decreases if roughness of an object increases.
(C) Friction between two surfaces will produce heat.
(D) None of the above.
-
30. What does 'I' stand for in the VIBGYOR?
(A) India (B) Indigo
(C) Igloo (D) None of the above
-
31. _____ tree never shed all their leaves at a time.
(A) An evergreen (B) Conifers
(C) Deciduous (D) None of the above
-
32. Where is the shoot of a plant located?
(A) Below the ground (B) Above the ground
(C) Both A and B (D) Neither A nor B
-

- 33. Camouflage is a kind of adaptation in which an organism deceives its enemy by merging its colour with that of its surroundings. Which of the following colours will best suit a chameleon to hide from its enemies in a jungle while it sits on the grass?**
(A) Yellow (B) Brown
(C) Green (D) Grey
-
- 34. The outermost part of the teeth is called _____.**
(A) enamel (B) plaque
(C) gum (D) None of the above
-
- 35. Food in the mouth is called _____.**
(A) chyme (B) undigested food
(C) bolus (D) None of the above
-
- 36. Excretory system consists of _____.**
(A) liver (B) intestine
(C) stomach (D) None of the above
-
- 37. A balanced diet is a _____.**
(A) that contains all the nutrients in the correct proportions
(B) that contains some of the nutrients in the correct proportions
(C) that contains most of the nutrients in the correct proportions
(D) that contains none of the nutrients in the correct proportions
-
- 38. Which of the following order of waste management is the best?**
(A) Prevention-Reuse-Recycle-Disposal
(B) Prevention-Recycle-Reuse-Disposal
(C) Prevention-Reuse-Disposal-Recycle
(D) Prevention-Disposal-Reuse-Recycle
-
- 39. Layer of air that surrounds the earth is known as _____.**
(A) the universe (B) space
(C) the atmosphere (D) None of the above
-
- 40. How can we separate sand from water?**
(A) By evaporation (B) By filtration
(C) By boiling (D) All of the above
-
- 41. Which of the following ways can stop water pollution?**
(A) Clean up litter in water bodies
(B) Dispose of waste materials properly
(C) Avoid using plastic
(D) All of the above
-
- 42. Which one of the following is correct?**
(A) 1 minute = 60 seconds (B) 1 minute = 60 hours
(C) 1 hour = 60 seconds (D) None of the above
-
- 43. In which of the following activities is the force used for pulling?**
(A) Blowing a balloon (B) Stretching an elastic band
(C) Riding a bike (D) All of the above
-

44. Which of the following forces cause wear and tear to machine parts?

- (A) Muscular force
 - (B) Gravitational force
 - (C) Mechanical force
 - (D) Frictional force
-

45. Polished metals are _____.

- (A) shiny
 - (B) smooth
 - (C) reflect light well
 - (D) All of the above
-

46. Which part of the plant attracts insects to help the plant reproduce?

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

47. The feet of duck and frog are webbed. This adaptation helps them in _____.

- (A) swimming
 - (B) grabbing branches firmly
 - (C) flying
 - (D) catching insects
-

48. Which of the following is right to keep our teeth healthy?

- (A) Avoid eating chocolates
 - (B) Visit the dentist regularly
 - (C) Brush teeth twice a day
 - (D) All of the above
-

49. Waste is stored in the _____ before it gets removed from the body.

- (A) small intestine
 - (B) large intestine
 - (C) rectum
 - (D) None of the above
-

50. Urine exits the bladder and the body through a tube called the _____.

- (A) Ureters
 - (B) Rectum
 - (C) Urethra
 - (D) Bladder
-

ANSWERS

1	2	3	4	5	6	7	8	9	10
C	D	C	D	A	A	D	D	D	B
11	12	13	14	15	16	17	18	19	20
B	D	C	B	A	B	D	D	B	A
21	22	23	24	25	26	27	28	29	30
C	D	C	C	D	C	B	B	C	B
31	32	33	34	35	36	37	38	39	40
A	B	C	A	C	A	A	A	C	D
41	42	43	44	45	46	47	48	49	50
B	A	B	D	B	A	A	C	C	C



QUESTIONS **50**



TOTAL MARKS **100**



DURATION **60 mins**

GRADE

5

Instruction for Students:

- Read the question carefully before answering.
- Each question has 4 options (A, B, C & D).
- **Grand Finale Marking System:-**
Each correct answer carries 2 marks.
For each unattempted question, 2 marks will be deducted.
For each wrong answer, 2.5 marks will be deducted.
- Grand Finale Result will be declared Online after 45 days from the exam date. To know your Result, login to www.neltas.com and use given Seat Number.

1. Which of the following is a female part of a flower?

- | | |
|------------|------------|
| (A) Stamen | (B) Carpel |
| (C) Anther | (D) Pollen |

2. Which joint enables us to move our arms as shown in the given picture?



- | | |
|-----------|---------------------|
| (A) Pivot | (B) Gliding |
| (C) Hinge | (D) Ball and Socket |

3. Vitamin A : Night blindness :: Vitamin B : _____

- | | |
|--------------|-----------------------|
| (A) Scurvy | (B) Rickets |
| (C) Beriberi | (D) None of the above |

4. A substance intentionally added that affects the nature and quality of food is called _____.

- | | |
|---------------------|----------------------|
| (A) Food poison | (B) Food contaminant |
| (C) Food adulterant | (D) All of the above |

5. Due to deforestation _____.
- (A) amount of nitrogen in the air will decrease
(B) amount of oxygen in the air will increase
(C) amount of carbon dioxide in the air will decrease
(D) amount of carbon dioxide in the air will increase
-
6. Car : Petrol :: Truck : _____
- (A) Diesel (B) Petrol
(C) CNG (D) LPG
-
7. The gaseous form of water is known as _____.
- (A) water vapour
(B) evaporation
(C) condensation
(D) None of the above
-
8. The phenomenon of remaining on the surface of a liquid without sinking is called _____.
- (A) buoyancy (B) compression
(C) weightlessness (D) floatation
-
9. A car travels 32 metres in 4 seconds. What is its speed?
- (A) 128 metres per second
(B) 36 metres per second
(C) 28 metres per second
(D) 8 metres per second
-
10. The amount of space occupied by a substance is known as its _____.
- (A) area (B) volume
(C) Both A and B (D) Neither A nor B
-
11. Which of these travels faster - Sound or Light?
- (A) Light
(B) Sound
(C) Both travel at the same speed
(D) None of the above
-
12. The S.I unit of work is _____.
- (A) newton-meter (B) Joule
(C) Both A and B (D) Neither A nor B
-
13. Which of the following is the example of kinetic energy?
- (A) Anu is sleeping.
(B) A fan is switched off.
(C) A train is moving.
(D) Nili is watching television.
-
14. _____ light can be separated into a rainbow of colours.
- (A) Ultraviolet (B) White
(C) Infrared (D) All of the above
-

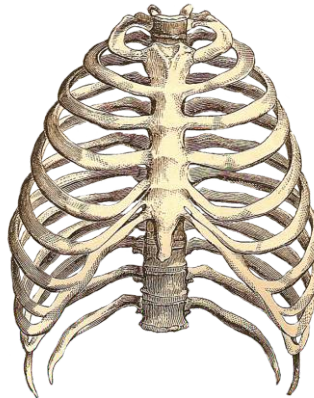
15. Cooking utensils are made of metals because they _____.

- (A) are durable
- (B) are malleable
- (C) are good conductors of heat
- (D) do not break on heating

16. Which of the following parts of a plant take part in sexual reproduction?

- (A) Seed
- (B) Fruit
- (C) Roots
- (D) None of the above

17. Observe the diagram shown below:



Name the organ does it protect in our body.

- (A) Lungs
- (B) Heart
- (C) Both A and B
- (D) Neither A nor B

18. Arjun lives in a hilly region. He is suffering from swelling in his neck.

Which disease he may be suffering from?

- (A) Scurvy
- (B) Goitre
- (C) Beriberi
- (D) Rickets

19. When do we say that food is adulterated?

- (A) If any ingredient is injurious to health.
- (B) If meat that is obtained from a diseased animal.
- (C) If spices are sold do have their typical smell.
- (D) None of the above.

20. Growing more tree in the forest is called _____.

- (A) afforestation
- (B) deforestation
- (C) Both A and B
- (D) Neither A nor B

21. We can _____ fuel by using public transport.

- (A) deplete
- (B) finish
- (C) save
- (D) None of the above

22. _____ is an example of a substance that can sublime?

- (A) Water
- (B) Oxygen
- (C) Carbon dioxide (Dry ice)
- (D) All of the above

23. Which of the following machines convert the energy of free-flowing water into useful form?

- (A) Windmill
- (B) Potter's wheel
- (C) Waterwheel
- (D) All of the above

24. The distance between Delhi and Kolkata is usually expressed in _____.
 (A) decametre (B) kilometre
 (C) metre (D) centimetre

25. Find the length of one edge of a cube whose volume is 27 cubic m.
 (A) 9 m (B) 3 cm
 (C) 3 m (D) None of the above

26. Sound waves move _____.
 (A) in the opposite direction of the source
 (B) in all directions toward the source
 (C) in the same direction as the source
 (D) in all directions away from the source

27. In which of the following cases is the work done?

Case 1	You push the door and the door opens.
Case 2	You push the door and the door does not open.

- (A) Case 1 (B) Case 2
 (C) Both A and B (D) Neither A nor B

28. What kind of energy does a stretched rubber band have?
 (A) Kinetic (B) Electric
 (C) Nuclear (D) Potential

29. Shalu can hear the people talking in the room but cannot see who they are, because the door is _____.
 (A) translucent (B) opaque
 (C) transparent (D) None of the above

30. _____ is a device used to measure the degree of coldness or hotness of an object.
 (A) Manometer (B) Thermometer
 (C) Barometer (D) None of the above

31. The ovaries of different flowers may contain _____.
 (A) one or more ovules
 (B) only one ovule
 (C) many ovules
 (D) only two ovules

32. Look at the list given below:

Collar bone	Ribcage	Backbone	Femur
-------------	---------	----------	-------

To which body system does this list belong?

- (A) Circulatory (B) Excretory
 (C) Muscular (D) Skeletal

33. Lack of vitamin 'C' in the food causes _____.
 (A) Scurvy (B) Goitre
 (C) Beriberi (D) Rickets

34. How does adulteration impact the economy?

- (A) People falling sick → Spending money on treatment
- (B) People falling sick → Spending money on court cases
- (C) People falling sick → Spending money on treatment and court cases
- (D) None of the above

35. Which of the following activities are prohibited in national parks and sanctuaries?

- (A) Poaching
- (B) Felling trees
- (C) Hunting
- (D) All of the above

36. Which of the following has a definite shape and volume?

- (A) Liquid
- (B) Solid
- (C) Gas
- (D) All of the above

37. Which of the following determines whether an object will float or sink?

- (A) Density
- (B) Area
- (C) Weight
- (D) Volume

38. Substances with larger masses such as sacks of grains are usually measured in _____.

- (A) kilograms
- (B) grams
- (C) metric tonnes
- (D) tones

39. Rustling of leaves is an example of _____.

- (A) soft sound
- (B) loud sound
- (C) Both A and B
- (D) Neither A nor B

40. When the applying force causes the _____ of the object or changes the _____ of the object or changes the _____ and size of the object, it is said that work is done.

- (A) position, shape, movement
- (B) shape, movement, position
- (C) movement, position, shape
- (D) None of the above

41. What kind of energy is used to operate and machines, fans, etc.?

- (A) Kinetic
- (B) Electric
- (C) Nuclear
- (D) Thermal

42. A _____ mirror has a flat and smooth surface.

- (A) spherical
- (B) plane
- (C) convex
- (D) concave

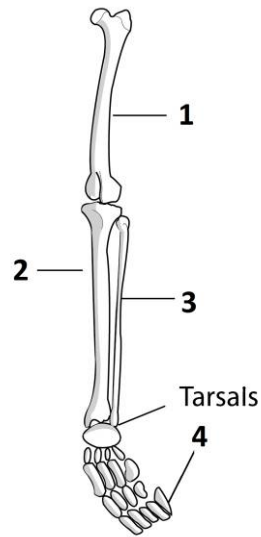
43. It is better to wear dark coloured clothes during _____.

- (A) a cold winter day
- (B) a hot summer day
- (C) Both A and B
- (D) Neither A nor B

44. The part which contains pollen grains in a flower is called _____.

- (A) filament
- (B) stamen
- (C) anther
- (D) stigma

45. Observe the diagram shown below:



Name the part labelled 1.

- | | |
|---------------|-----------|
| (A) Phalanges | (B) Tibia |
| (C) Fibula | (D) Femur |

46. The conversion of ice into water is an example of _____.

- | | |
|-----------------|--------------|
| (A) evaporation | (B) melting |
| (C) sublimation | (D) freezing |

47. Seawater is not fit for drinking due to the presence of _____.

- | | |
|---------------------|---------------------|
| (A) aquatic animals | (B) aquatic plants |
| (C) poisons | (D) dissolved salts |

48. Hammering of a nail is an example of _____.

- | | |
|------------------|---------------------|
| (A) soft sound | (B) loud sound |
| (C) Both A and B | (D) Neither A nor B |

49. Gaurav and Upasna are watching television in their drawing-room. All the appliances of their bedroom such as electric bulbs and air conditioner were on. As a good friend of Gaurav and Upasna, what will you suggest?

- (A) You will ask them to switch off electrical appliances in their bedroom.
(B) You will ask them to use a minimum number of appliances.
(C) Both A and B
(D) Neither A nor B

50. Which of the following is an insulator?

- | | |
|------------------|---------------------|
| (A) Wood | (B) Plastic |
| (C) Both A and B | (D) Neither A nor B |

ANSWERS

1	2	3	4	5	6	7	8	9	10
B	D	C	C	D	A	A	D	D	B
11	12	13	14	15	16	17	18	19	20
A	C	C	B	C	D	C	B	A	A
21	22	23	24	25	26	27	28	29	30
C	C	C	B	C	D	A	D	B	B
31	32	33	34	35	36	37	38	39	40
A	D	A	C	D	B	A	C	A	C
41	42	43	44	45	46	47	48	49	50
B	A	A	C	D	B	D	B	C	C



QUESTIONS **50**



TOTAL MARKS **100**



DURATION **60 mins**

GRADE

6

Instruction for Students:

- Read the question carefully before answering.
- Each question has 4 options (A, B, C & D).
- **Grand Finale Marking System:-**
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1. The part of a plant that plays an important role in reproduction is _____.
(A) root (B) flower
(C) leaf (D) stem

2. Which of the following cannot be called a habitat?
(A) A desert with camel
(B) A jungle with wild animals
(C) A pond with fishes
(D) Cultivated land with grazing cattle

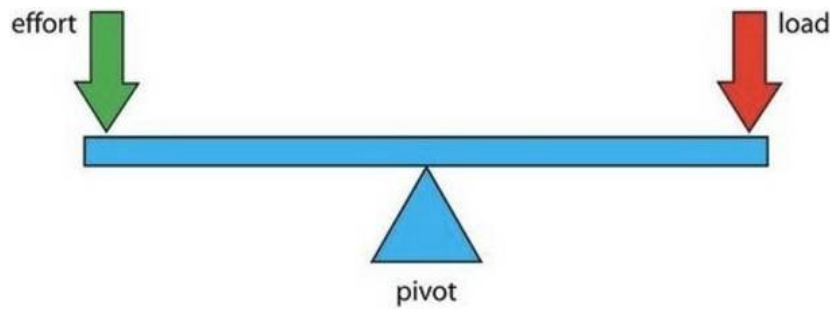
3. Which of the following part of the cell that contains pigment?
(A) Cell membrane (B) Plasmid
(C) Plastid (D) Chromosome

4. The main function of the lacteals of the intestine is the absorption of _____.
(A) amino acids
(B) glucose and vitamins
(C) lactic acid
(D) fatty acids and glycerol

5. Taking in of the air through nostrils into the body is known as _____.
(A) exhalation
(B) cellular respiration
(C) tissue respiration
(D) inhalation

6. Anantlakshmi injured her knee while playing. Blood oozed out from the wound. After a few minutes, she observed a brown coloured clot on the same spot on her knee. Which component of the blood might have formed this clot?
- (A) Red blood cells (B) White blood cells
(C) Platelets (D) Plasma
-
7. Malaria is caused by _____.
(A) bacteria (B) protozoan
(C) virus (D) None of the above
-
8. Which of these includes culturing of earthworms?
(A) Sericulture (B) Pisciculture
(C) Vermicomposting (D) None of the above
-
9. Divers carry oxygen cylinders with them because _____.
(A) oxygen keeps them warm
(B) oxygen is required for breathing
(C) Both A and B
(D) Neither A nor B
-
10. Clouds are formed due to _____.
(A) evaporation (B) condensation
(C) Both A and B (D) Neither A nor B
-
11. Which one of the following is a synthetic fibre?
(A) Polyester (B) Nylon
(C) Rayon (D) All of the above
-
12. Which of the following statements is true about a mixture?
(A) It is made up of pure substances.
(B) It can be solid, liquid or gas.
(C) Components do not retain their original properties.
(D) Both A and B.
-
13. The letter used to identify an element in the periodic table is known as _____.
(A) formula (B) hint
(C) sign (D) symbol
-
14. 7 kilometres are equal to _____.
(A) 7,00,000 metre (B) 7,000 metre
(C) 700 metre (D) 70,000 metre
-
15. A force does not change _____.
(A) size (B) shape
(C) mass (D) state of motion
-
16. Mass is the measure of _____ in an object.
(A) weight (B) matter
(C) density (D) None of the above
-

17. Mechanical advantage of a machine is defined as _____.



- (A) Load + Effort
(B) Load / Effort
(C) Load x Effort
(D) Load - Effort

18. An organ of a plant that absorbs water and mineral salts from the soil is known as _____.

- (A) root
(B) flower
(C) leaf
(D) stem

19. Which is not an abiotic component of the environment?

- (A) Soil
(B) Bacteria
(C) Water
(D) Air

20. Ribosome helps in the production of _____.

- (A) vitamin
(B) glucose
(C) fat
(D) protein

21. Read the following statements with reference to the villi of the small intestine.

(i)	They have very thin walls.
(ii)	They have a network of thin and small blood vessels close to the surface.
(iii)	They have small pores through which food can easily pass.
(iv)	They are finger-like projections.

Identify those statements which enable the villi to absorb digested food.

- (A) (i), (ii) and (iv)
(B) (ii), (iii) and (iv)
(C) (iii) and (iv)
(D) (i) and (iv)

22. The breakdown of food particles takes place inside the cell. During this process, lots of energy release out. Which life process helps the cell to perform this function?

- (A) Excretion
(B) Digestion
(C) Reproduction
(D) Cellular respiration

23. People use water pumps in their houses to circulate water in the house pipes. If our blood vessels are compared to water pipes and blood to water, then what organ of the human body acts as a water pump that helps to circulate blood throughout the body?

- (A) Kidneys
(B) Liver
(C) Heart
(D) Lungs

24. Which of the following pathogens cause tuberculosis?

- (A) Bacteria
(B) Virus
(C) Protozoa
(D) None of the above

25. Which kind of materials is to be collected in blue coloured bins?

- (A) Materials that can be recycled
- (B) Plastics
- (C) Metals
- (D) Wood

26. The content of water vapour present in the air is called _____.

- (A) density
- (B) solubility
- (C) reactivity
- (D) humidity

27. Rainwater harvesting is a method employed to _____.



- (A) prevent soil erosion
- (B) prevent drought at a place
- (C) prevent floods at a place
- (D) raise the water table of a place

28. Weaving of fabric is done in _____.

- (A) handlooms
- (B) power looms
- (C) Both A and B
- (D) Neither A nor B

29. Particles in a liquid _____.

- (A) flow and fill the shape of the container up to a definite volume.
- (B) move quickly and fill any available space.
- (C) vibrate, are tightly packed and keep their shape.
- (D) All of the above.

30. The symbol for gold in the periodic table is _____.

- (A) Ag
- (B) Au
- (C) Al
- (D) Ar

31. The most convenient unit to be used to measure the distance from Mumbai to Kolkata is _____.

- (A) km
- (B) m
- (C) cm
- (D) mm

32. A cricketer catches the ball. The force/forces used here is/are _____.

- (A) gravitational force
- (B) frictional force
- (C) Both A and B
- (D) non-contact force

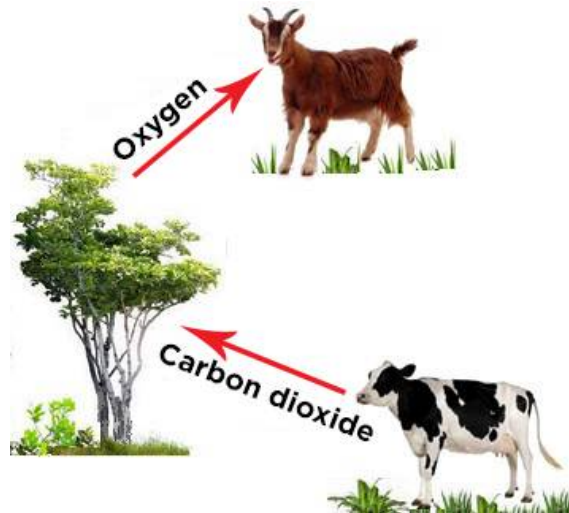
33. The law of _____ of mass states that the mass of a closed system must remain constant over time.

- (A) conservation
- (B) elasticity
- (C) Both A and B
- (D) Neither A nor B

34. Wheel is used with an axle because _____.

- (A) Sliding friction is less than the rolling friction
- (B) Rolling friction is less than the sliding friction
- (C) Both A and B
- (D) Neither A nor B

35. What does the given figure represent?



- (A) Interdependence between plants and animals
- (B) Interdependence between plants
- (C) Interdependence between animals
- (D) Interdependence between abiotic factors

36. Who discovered the cell in 1665?

- (A) Robert Brown
- (B) Robert Crook
- (C) Robert Hook
- (D) None of the above

37. The food that humans eat contains lots of nutrition. These nutrients cannot be directly absorbed by the body. It must have to be breakdown into smaller particles, and after that, these molecules get absorbed by the blood. Which life process helps humans to breakdown the food?

- (A) Excretory system
- (B) Respiratory system
- (C) Digestive system
- (D) Nervous system

38. Which picture shows the least amount of protection for our respiratory system?



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

39. The doctor placed the chest piece of a stethoscope on the patient's chest and earpieces of the stethoscope into his ears. He could hear some thumping sound. What sound is the doctor listening?
- (A) Heartbeat (B) Blood pressure
(C) Pulse (D) Breaths

40. How is malaria usually transmitted to humans?
- (A) By insect bite (B) By contaminated food
(C) By contaminated water (D) All of the above

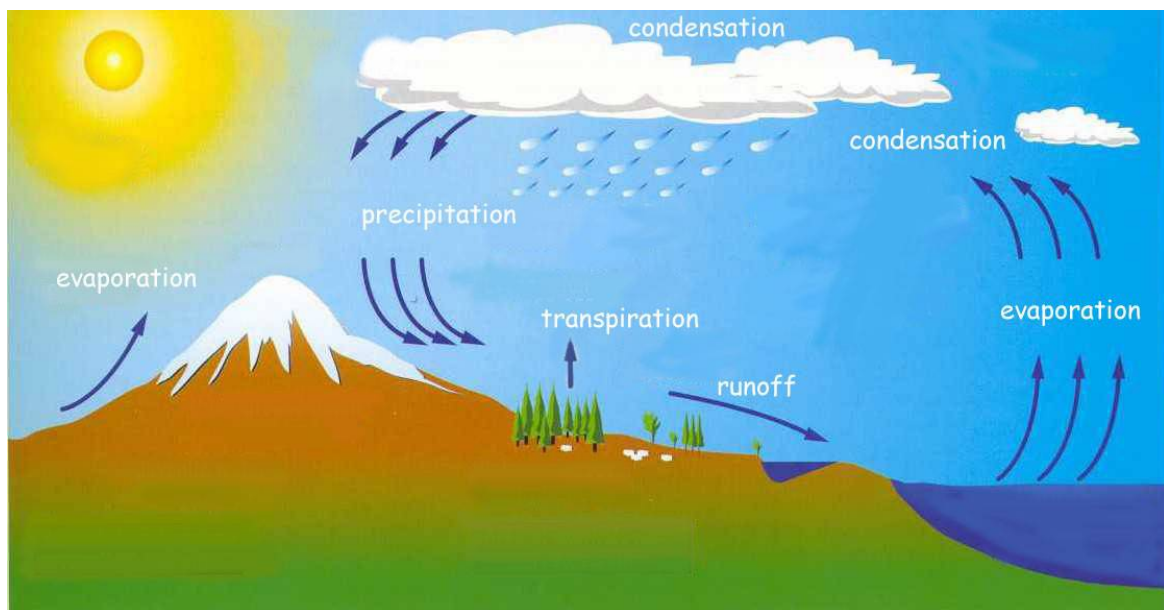
41. Arshiya buried the following in her garden to dispose them off:

An egg shell	Pencil shavings	Dry leaves	Plastic carry bags
--------------	-----------------	------------	--------------------

If this area is dug up after a few years, which of these is most likely to have remain unchanged?

- (A) An eggshell (B) Pencil shavings
(C) Plastic carry bags (D) Dry leaves
42. Plants require nitrogen for _____.
(A) growth (B) reproduction
(C) photosynthesis (D) All of the above

43. Observe the diagram shown below:



Which of the following processes is shown above?

- (A) Water cycle (B) Soil erosion
(C) Rainwater harvesting (D) None of the above
44. Ashrita went to a cloth shop. She found a fabric that was smooth to touch, had vibrant colour and shine. This fabric could be _____.
(A) wool (B) cotton
(C) silk (D) jute
45. Distillation = _____ + Condensation
(A) Sublimation (B) Precipitation
(C) Evaporation (D) None of the above

46. The most common classifications of elements in the periodic table are _____.
(A) elastic and non-elastic (B) solid and liquid
(C) solid and gas (D) metal and non-metal
-
47. The distance between Sandra and Parul's home is 1563 m. This distance is equal to _____.
(A) 15.63 km (B) 1.563 km
(C) 156.3 km (D) None of the above
-
48. A body falls downwards because of _____.
(A) electrical force (B) gravitational force
(C) mechanical force (D) magnetic force
-
49. The difference between mass and weight is _____.
(A) mass is a force and weight is a quantity
(B) mass is a quantity and weight is a force
(C) Both A and B
(D) Neither A nor B
-
50. An inclined plane wrapped around a rod forms this simple machine.
(A) Lever (B) Pulley
(C) Wedge (D) Screw
-

ANSWERS

1	2	3	4	5	6	7	8	9	10
B	D	C	D	D	C	B	C	B	C
11	12	13	14	15	16	17	18	19	20
D	D	D	B	C	B	B	A	B	D
21	22	23	24	25	26	27	28	29	30
A	D	C	A	A	D	D	C	A	B
31	32	33	34	35	36	37	38	39	40
A	C	A	B	A	C	C	B	A	A
41	42	43	44	45	46	47	48	49	50
C	A	A	C	C	D	B	B	B	D



QUESTIONS **50**



TOTAL MARKS **100**



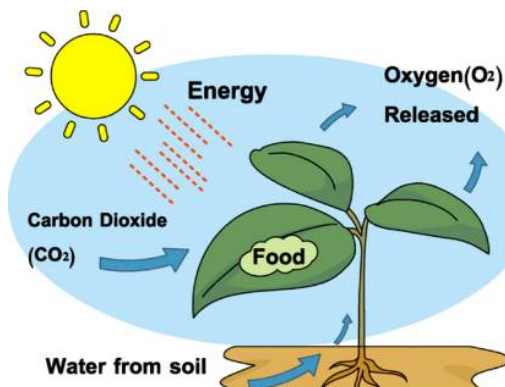
DURATION **60 mins**

GRADE
7

Instruction for Students:

- ➔ Read the question carefully before answering.
- ➔ Each question has 4 options (A, B, C & D).
- ➔ **Grand Finale Marking System:-**
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- ➔ Grand Finale Result will be declared Online after 45 days from the exam date. To know your Result, login to www.neltas.com and use given Seat Number.

1. The image shows how plants obtain carbon dioxide and water from the surroundings.



Based on the image, state the mode of nutrition in plants?

- (A) Heterotrophic, as plant obtain prepared food in the form of water and carbon dioxide.
 (B) Autotrophic, as the plant prepares its own food using water and carbon dioxide.
 (C) Heterotrophic, as plant consumes food prepared by other organisms.
 (D) Autotrophic, as plant obtains food in the form of sunlight.
2. The list below shows some animals that acquire their food with different modes of feeding:

LICE	SNAKE	BUTTERFLY
SNAIL	ANT	MOSQUITO

Which two animals of the following animals suck their food?

- (A) Lice and ants
 (B) Snails and snakes
 (C) Butterfly and ants
 (D) Lice and mosquito

3. The kidney is an organ that contains blood capillaries that helps in the filtration of blood. The useful substances get absorbed by the blood. Which of the following describes the fate of harmful substances?
- (A) Harmful substances get accumulated in the kidney and are released out as sweat.
(B) Harmful substances get absorbed by the blood and then are delivered to the lungs for filtration.
(C) Harmful substances dissolve in water and then are delivered back to the kidney for filtration.
(D) Harmful substances dissolve in water and are removed from the body as urine.
-
4. Medulla oblongata controls _____.
(A) smelling
(B) beating of heart and respiratory movement
(C) intelligence and will power
(D) balancing of the body
-
5. Carbohydrate is stored in plants in the form of _____.
(A) proteins
(B) fats
(C) vitamins
(D) starch
-
6. When do seasonal allergy occur?
(A) Every season
(B) Throughout the year
(C) Every month
(D) None of the above
-
7. A group of living organisms which are closely related and can breed among themselves are called _____.
(A) species
(B) phylum
(C) genus
(D) kingdom
-
8. Fluid connective tissue in humans consists of _____.
(A) blood and lymph
(B) blood and matrix
(C) lymph and plasma
(D) lymph and cytoplasm
-
9. A separation technique which is used to obtain liquid from a solution by heating, is called _____.
(A) distillation
(B) centrifugation
(C) filtration
(D) evaporation
-
10. Valency of sodium is _____.
(A) 1
(B) 2
(C) 3
(D) 4
-
11. Metallurgy is a process of _____.
(A) extracting metal from its mineral
(B) extracting metal from its ore
(C) extracting metal from its pure ore
(D) extracting pure metal from its ore
-
12. Chalk, limestone, marble, eggshells and seashells are made of _____.
(A) calcium hydroxide
(B) calcium carbonate
(C) calcium oxide
(D) calcium chloride
-
13. Which of these mixtures represents a neutralization reaction?
(A) Acid + Water
(B) Acid + Acid
(C) Base + Water
(D) Acid + Base
-

14. Which of the following are indicators that a chemical change has occurred in a substance?

- (A) The expansion in the size of material upon being heated
- (B) A substance breaking into smaller pieces of itself
- (C) Irreversibility of a substance after heating
- (D) A substance not resuming its original shape, after being pressed

15. In which form does oxygen exists normally in the atmosphere?

- (A) O
- (B) O₂
- (C) O₃
- (D) None of the above

16. Which of the following materials is a good conductor of heat?

- (A) Wood
- (B) Plastic
- (C) Stone
- (D) Metal

17. Which of these defines the speed of an object?

- (A) Total distance covered divided by the total time taken
- (B) The size of the object and the distance covered
- (C) Total distance covered multiplied by the total time taken
- (D) The length of space between two particular points

18. Janifer's dad explains to her that a fuse wire helps in protecting electrical appliances.

What role does the fuse wire play in an electrical appliance?

- (A) It reduces the consumption of electricity.
- (B) It avoids overheating of an electrical appliance.
- (C) It helps to avoid the passing of large current.
- (D) It helps in storage of electricity for further use.

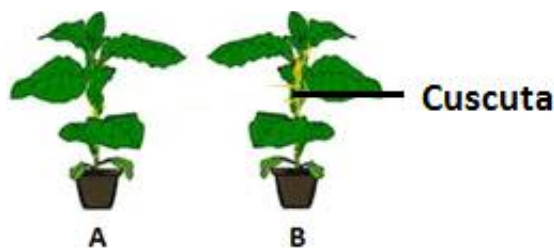
19. If the bar magnet is carefully cut in half into two smaller magnets, they will each have _____.

- (A) only north poles.
- (B) north and south poles.
- (C) only south poles.
- (D) neither north nor south poles.

20. Wheels on skateboard experiences _____.

- (A) sliding Friction
- (B) rolling Friction
- (C) static Friction
- (D) fluid Friction

21. Cuscuta is a plant that lacks chlorophyll. It is a yellow wiry branched structure that climbs on other plants to obtain food. Kiya sets up an experiment using two potted plants, one with Cuscuta and other without it as shown below:



Which of these plants will show more growth?

- (A) Plant A, as Cuscuta shares chlorophyll of the host plants to synthesis its own food.
- (B) Plant B, as Cuscuta shares its readymade food with host plants to increase their combined growth.
- (C) Plant A, as Cuscuta uses readymade food of the plant B that weakens the host plant.
- (D) Plant B, as Cuscuta provides valuable nutrients to host plants for photosynthesis.

- 22. Humans chew the food only when they have food in their mouths, whereas cows chew continuously even when they are not eating grass. What could be the reason behind this fact?**
(A) Cows chew continuously because cud, the partially digested food, returns to their mouth in small lumps.
(B) Cows chew continuously to collect saliva in their mouth so that more bacteria can be formed in their mouth.
(C) Cows chew continuously because they store undigested grass in their mouth.
(D) Cows chew continuously to remove the stuck food particles from their mouthparts.
-
- 23. The kidneys are made up of tubular units called _____.**
(A) neurons (B) capillaries
(C) nephrons (D) glomerulus
-
- 24. The spinal cord is an extension of _____.**
(A) medulla oblongata (B) cerebellum
(C) cerebrum (D) vertebral column
-
- 25. Stomata are present on the surface of _____.**
(A) leaves (B) roots
(C) stem (D) flowers
-
- 26. Which symptom occurs commonly due to pollen allergy?**
(A) Skin rashes (B) Vomiting
(C) Wheezing (D) Stomach ache
-
- 27. The branch of biology which deals with classification is called _____.**
(A) entomology (B) anatomy
(C) taxonomy (D) morphology
-
- 28. A group of similar types of cells that perform a specific function is called a/an _____.**
(A) species (B) organ
(C) tissue (D) organ system
-
- 29. When different gases are mixed to form the air, there is/are _____.**
(A) chemical reaction
(B) both chemical and physical reaction
(C) no physical reaction
(D) no chemical reaction
-
- 30. Atoms of elements _____.**
(A) can exist independently (B) cannot exist independently
(C) may or may not exist independently (D) None of the above
-
- 31. Elements that are brittle and cannot be rolled into wires are known as _____.**
(A) liquid (B) non-elastic
(C) metal (D) non-metal
-
- 32. If baking soda or fruit salt is mixed with vinegar, there takes place a _____.**
(A) chemical reaction (B) transference
(C) physical reaction (D) both a and b
-

33. Which of these activities represents a neutralization reaction in everyday life?

- (A) Meditation before going to bed
- (B) Consumption of milk of magnesia during indigestion
- (C) Exercise in the morning with an empty stomach
- (D) Drinking of water after consumption of food

34. Simran finds that a small iron rod left outdoors in the garden gets rusted.

Which of the following could have prevented rusting?

- (A) Placing the rod in a salt solution
- (B) Burying the rod in the soil
- (C) Painting the surfaces of the rod
- (D) Placing the rod in a trough of water

35. Oxygen reacts with hydrogen to produce _____.

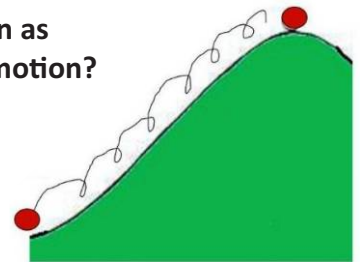
- (A) water
- (B) hydrogen peroxide
- (C) Both A and B
- (D) Neither A nor B

36. Convection may occur through _____.

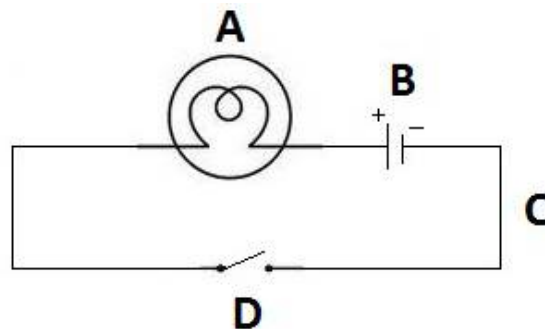
- (A) solids and liquids
- (B) solids and gases
- (C) solids, liquids and gases
- (D) liquids and gases

37. Preetu drops a ball from the top of the hill. He notices the ball rolling down as shown in the image. Which of the following statements is true about the motion?

- (A) Preetu is in motion as he drops the ball.
- (B) The ball is in motion as it rolls down the slope.
- (C) Preetu is in motion as he is standing on top of the hill.
- (D) The ball is in motion as its shape changes over time.



38. The image represents an electric circuit with different components.



Which of the marked components represents a battery in the circuit?

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

39. You hold a magnetic compass and observe the needle spin until it points north. The north end of the compass needle points toward Earth's _____.

- (A) geographic south pole.
- (B) magnetic north pole.
- (C) magnetic south pole.
- (D) geographic north pole.

40. Friction between moving parts of machine causes _____.

- (A) light
- (B) heat
- (C) energy
- (D) All of the above

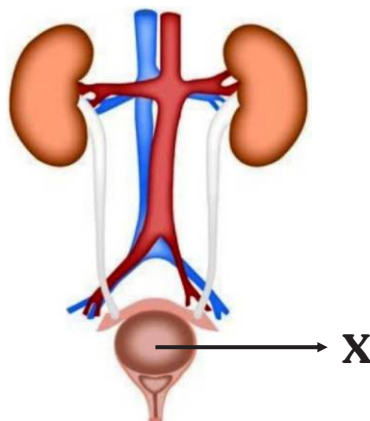
41. Which of the following statement defines the term 'nutrition'?

- (A) It is the mode of obtaining food by the individual.
- (B) It is the mode of eliminating food by the individual.
- (C) It is the amount of food present in the body.
- (D) It is the components of food required by the body.

42. The false feet of Amoeba are used for _____.

- (A) movement only
- (B) capture of food only
- (C) capture of food and movement
- (D) exchange of gases only

43. The given image shows the excretory system in humans:



What is the importance of the labelled part in the excretory system?

- (A) It filters waste from the blood.
- (B) It produces urine.
- (C) It carries urine from the kidney to outside.
- (D) It stores the urine till urination.

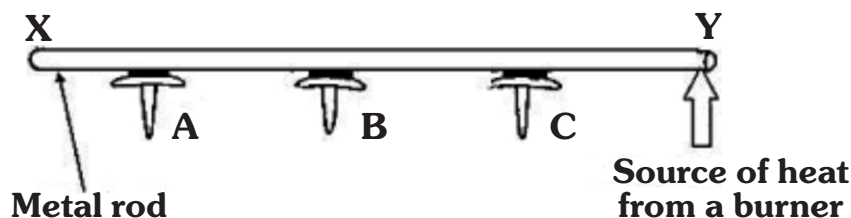
44. Phenolphthalein is a synthetic indicator and its colours in acidic and basic solutions, respectively are:

- (A) red and blue
- (B) pink and colourless
- (C) colourless and pink
- (D) blue and red

45. Which of the following is a physical change?

- (A) Rusting of iron
- (B) Combustion of magnesium ribbon
- (C) Burning of candle
- (D) Melting of wax

46. Several nails were attached to a metallic rod, through its length by using drops of wax as adhesive. This rod was placed horizontally with one end subjected to the flame of a burner, as depicted, below:



Nails closer to point Y begin to fall. If the burner is removed after a short while, nails closer to point X, remained affixed. Which end of the rod is hotter, and why?

- (A) X is hotter as the wax and nails both remained stuck to the rod.
- (B) Y is hotter as the wax melted faster due to the heat of the rod.
- (C) Y is hotter as the gravity acted faster near Y, dropping the nails.
- (D) X is hotter because heat moved from Y and was transferred to X.

47. A car covers a total of 200 kilometres in 4 hours. What is the average speed of the car?
- (A) 40 km/hr (B) 800 km/hr
(C) 100 km/hr (D) 50 km/hr
-
48. A student performed an experiment where he placed a magnetic compass near a current-carrying wire. He notices some deflection in the compass needle. What causes the deflection of the needle in the compass?
- (A) Magnetic effect of the compass on paper
(B) Magnetic effect of the electric current
(C) Electric effect of the magnetic compass
(D) Electric effect of the paper on the compass
-
49. The rock of material which attracts is termed as _____.
(A) magnet (B) magnesia
(C) magnetic (D) magnetite
-
50. The force of friction can be reduced by the help of _____.
(A) ball bearing (B) lubricants
(C) smooth surfaces (D) All of the above
-

ANSWERS

1 B	2 D	3 D	4 B	5 D	6 A	7 A	8 A	9 A	10 A
11 D	12 B	13 D	14 C	15 B	16 D	17 A	18 C	19 B	20 B
21 C	22 A	23 C	24 A	25 A	26 C	27 C	28 C	29 C	30 C
31 D	32 A	33 B	34 C	35 C	36 D	37 B	38 B	39 A	40 B
41 A	42 C	43 D	44 C	45 D	46 B	47 D	48 B	49 D	50 D



QUESTIONS **50**



TOTAL MARKS **100**



DURATION **60 mins**

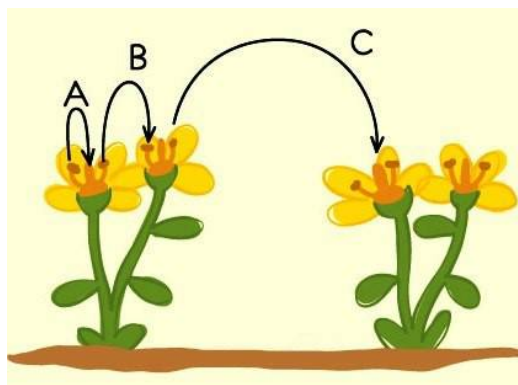
GRADE

8

Instruction for Students:

- Read the question carefully before answering.
- Each question has 4 options (A, B, C & D).
- **Grand Finale Marking System:-**
Each correct answer carries 2 marks.
For each unattempted question, 2 marks will be deducted.
For each wrong answer, 2.5 marks will be deducted.
- Grand Finale Result will be declared Online after 45 days from the exam date. To know your Result, login to www.neltas.com and use given Seat Number.

1. The process of loosening and turning the soil is called _____.
(A) irrigation (B) ploughing
(C) levelling (D) None of the above
2. In the case of diffusion molecules move from _____.
(A) higher concentration to lower concentration
(B) lower concentration to higher concentration
(C) higher concentration to lower concentration through a membrane
(D) None of the above
3. Which of the following diseases is caused by bacteria?
(A) Chickenpox (B) Dengue
(C) Tuberculosis (D) Polio
4. The given image represents three different conditions in which an insect is transferring pollen grains of unisexual and bisexual flowers for facilitating reproduction in them:



Which of the following condition/conditions would lead to the production of new varieties of plants?

- (A) Condition A
- (B) Condition B
- (C) Condition C
- (D) Condition A and B

5. Which one of the following hormones converts excess glucose into glycogen?

- (A) Insulin
- (B) Glucagon
- (C) Thyroxine
- (D) None of the above

6. In which of the following is binary fission?

- (A) Amoeba
- (B) Humans
- (C) Frog
- (D) Hydra

7. Which of the following are necessary to prepare nylon?

- (A) Coal and Air
- (B) Coal and Water
- (C) Coal, Air, Water
- (D) Air and Water

8. Coal was formed over a long period of time under high temperature and pressure conditions by the decomposition of dead vegetation.

This process of conversion of dead vegetation into coal is known as _____.

- (A) refining
- (B) condensation
- (C) carbonization
- (D) sublimation

9. Which of the following pair is INCORRECT?

- (A) Combustible - Wood
- (B) Non-combustible - Glass
- (C) Non-combustible - Charcoal
- (D) Combustible - Magnesium

10. Factors that affect the rate of a given chemical reaction are _____.

- (A) temperature of the reactants
- (B) concentration of the reactants
- (C) surface area of the reactants
- (D) All of the above

11. The states of matter are _____.

- (A) atoms, molecules and ions
- (B) electrons, protons and neutrons
- (C) solids, liquids and gases
- (D) None of the above

12. The number of valence electrons present in magnesium is _____.

- (A) 2
- (B) 3
- (C) 4
- (D) 5

13. Which of the following is a carbon compound?

- (A) Lipids
- (B) Protein
- (C) DNA
- (D) All of the above

14. This metal does not react even with steam.

- (A) Calcium
- (B) Iron
- (C) Silver
- (D) Sodium

15. An oxide is acidic and has a pungent odour. It could be _____.
(A) carbon dioxide (B) sulphur dioxide
(C) carbon monoxide (D) nitrogen dioxide

16. Observe the picture shown below:



Jill lifts water from the well by pulling the rope of a pulley system. Which force is applied by her to lift the load?

- (A) Electrical (B) Gravitational
(C) Magnetic (D) Muscular

17. The image shows how the word “AMBULANCE” is written in vehicles.

AMBULANCE

What is the reason behind writing the word in the manner?

- (A) To make the vehicle look different from rest on the road.
(B) The vehicles ahead can read it easily in the rear-view mirror.
(C) To make the vehicle gain extra speed while travelling.
(D) People standing in front of the vehicle can read it from distance.

18. Vivan has a solid block. Its mass is 16 g and the volume is 2 cm^3 . What is the density of the block?

- (A) 32 g/cm^3 (B) 8 g/cm^3
(C) 14 g/cm^3 (D) 18 g/cm^3

19. The unit of work is the joule. Which other physical quantity has the same unit?

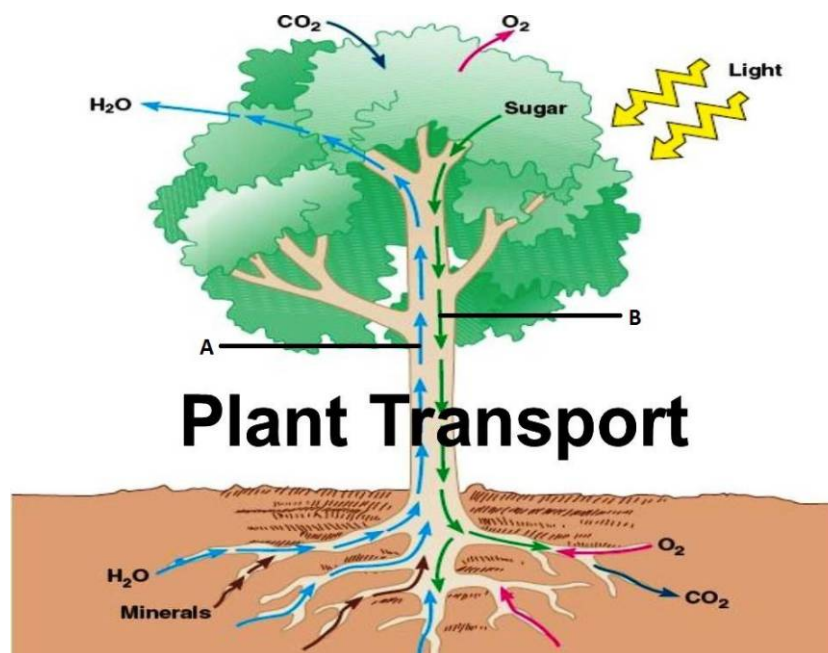
- (A) Velocity (B) Energy
(C) Power (D) Force

20. An electric current can produce _____.
(A) chemical effect (B) heating effect
(C) magnetic effect (D) All of the above

21. What is the management and care of farm animals by humans for profit is known as?

- (A) Poultry farm (B) Pisciculture
(C) Animal husbandry (D) None of the above

22. Arrows in the image are indicating the direction of the movement of substances by two different vascular tissues. Some arrows are labelled as A and some are labelled as B.



Plant Transport

Which of the following correctly describes the name and function of the two different vascular tissues?

- (A) Label A - Phloem - Transports Water, Label B - Xylem - Transports Food
- (B) Label A - Xylem - Transports Food, Label B - Phloem - Transports Water
- (C) Label A - Phloem - Transports Food, Label B - Xylem - Transports Water
- (D) Label A - Xylem - Transports Water, Label B - Phloem - Transports Food

23. Which of the following is a communicable disease?

- (A) Diabetes
- (B) Cancer
- (C) Alzheimer's
- (D) Covid-19

24. Kewal has a mango tree in his garden, which bears sweet mango every year. He wants to add more trees of this variety in its garden. Which life process of the plant will allow him to produce more such plants?

- (A) Transpiration
- (B) Reproduction
- (C) Growth
- (D) Respiration

25. Increased thyroxine production in humans results in _____.

- (A) dwarfism
- (B) cretinism
- (C) decreased metabolism
- (D) increased metabolism

26. Internal fertilisation takes place _____.

- (A) inside the body of a male
- (B) outside the body of a male
- (C) inside the body of a female
- (D) outside the body of a female

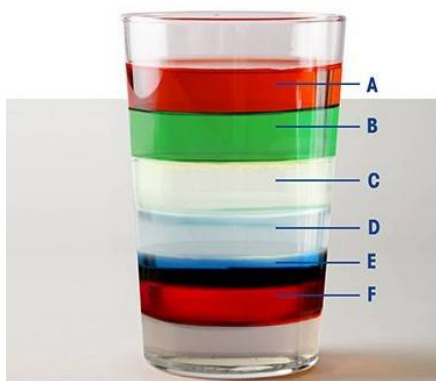
27. PVC is an example of _____.

- (A) thermoplastic
- (B) plastic
- (C) thermosetting plastic
- (D) acrylic

28. Which of the following petroleum components is used as a solvent for dry cleaning?

- (A) Petrol
- (B) Kerosene
- (C) Diesel
- (D) Paraffin Wax

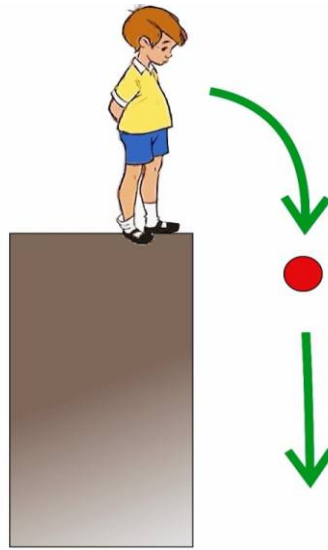
29. Ignition temperature is _____.
(A) Lowest temperature required to catch fire
(B) Highest temperature required to fire
(C) Any temperature
(D) None of the above
-
30. The process in which heat is required to convert a liquid into the vapour state is known as _____.
(A) latent heat of vaporisation
(B) evaporation
(C) melting
(D) condensation
-
31. The sum of the number of protons and the number of neutrons present in the nucleus of an atom is known as _____.
(A) nuclear number
(B) electrons number
(C) atomic number
(D) mass number
-
32. Carbon can form innumerable compounds because _____.
(A) it has four electrons in its outermost shell
(B) it combines with other elements to form covalent compounds
(C) carbon atoms can form long chains
(D) All of the above
-
33. What is a reaction in which a more reactive metal replaces a less reactive metal from its salt solution called?
(A) Combination reaction
(B) Double displacement reaction
(C) Displacement reaction
(D) Addition reaction
-
34. Which acid is present in tamarind?
(A) Citric acid
(B) Tartaric acid
(C) Tannic acid
(D) Lactic acid
-
35. What force will produce a pressure of 50,000 Pa on an area of 0.20 square m?
(A) 5,000 N
(B) 10,000 N
(C) 15,000 N
(D) 20,000 N
-
36. Which of the following is glass coated with in order to convert it into a mirror?
(A) Copper
(B) Aluminium
(C) Silver
(D) Gold
-
37. Observe the given figure carefully:



The correct order of the liquids from most dense to least dense is _____.

- (A) A, B, C, D (B) F, E, D, C
(C) C, D, E, F (D) None of the above

38. Which type of energy is possessed by the ball shown in this picture?



- (A) Kinetic (B) Potential
(C) Electromagnetic (D) Magnetic

39. An electrolyte is a _____.

- (A) solution
(B) liquid that conducts current
(C) metal
(D) None of the above

40. The characteristics of root-hairs that helps them to absorb water from the soil is _____.

- (A) their thin membrane
(B) their large surface area
(C) that they contain a solution of higher concentration than the surrounding water
(D) All of the above

41. Amar and Akbar were asked to grow different plants. Amar used the stem of a rose plant and buried it into the soil to grow a new plant. Akbar sowed a gram seed in the soil. After a few weeks, the growth of a rose plant and a gram plant was observed. What mode of reproduction took place in the plants chosen by Amar and Akbar?

- (A) Amar - Sexual reproduction; Akbar - Asexual reproduction
(B) Amar - Sexual reproduction; Akbar - Sexual reproduction
(C) Amar - Asexual reproduction; Akbar - Asexual reproduction
(D) Amar - Asexual reproduction; Akbar - Sexual reproduction

42. Cortisone hormone is secreted by _____.

- (A) Adrenal medulla (B) Adrenal cortex
(C) Thyroid gland (D) Pancreas

43. This part of the uterus prevents the mixing of the blood of the foetus with that of the mother.

- (A) Placenta (B) Umbilical cord
(C) Uterus wall (D) None of the above

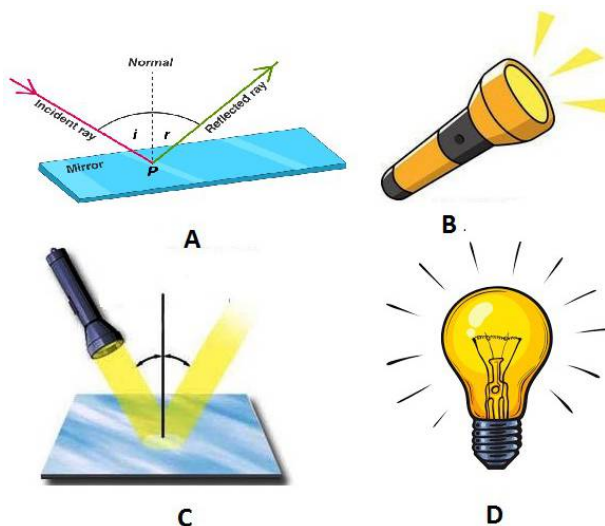
44. A piece of paper wrapped around an aluminium pipe does not catch fire easily. Which of the following reasons supports the above information?
- (A) Aluminium is non-combustible
(B) Paper is non-combustible
(C) Aluminium pipe does not attain its ignition temperature
(D) Paper wrapped around the pipe does not attain its ignition temperature

45. When sulphur reacts with oxygen, the oxide formed is _____ in nature.
- (A) neutral (B) acidic
(C) basic (D) None of the above

46. The chemical used to neutralize the basic nature of the soil is _____.
- (A) slaked lime (B) quicklime
(C) baking soda (D) organic matter

47. What is the strength of the force is expressed by?
- (A) Magnitude (B) Weight
(C) Mass (D) None of the above

48. The image below represents the path of light followed as it travels from different sources:



Which of these images represents the reflection of light?

- (A) B and D (B) A and B
(C) B and C (D) A and C
49. The type of energy stored in food is _____.
(A) electrical energy (B) chemical energy
(C) heat energy (D) All of the above
50. In an electrolytic cell, the electrode which is connected to the positive terminal of the battery is called _____.
(A) cation (B) anion
(C) cathode (D) anode

ANSWERS

1	2	3	4	5	6	7	8	9	10
B	A	C	C	A	A	C	C	C	D
11	12	13	14	15	16	17	18	19	20
C	A	D	C	D	D	B	B	B	D
21	22	23	24	25	26	27	28	29	30
C	D	D	B	D	C	A	A	A	A
31	32	33	34	35	36	37	38	39	40
D	D	C	B	B	C	B	A	B	D
41	42	43	44	45	46	47	48	49	50
D	B	A	D	B	D	A	D	B	D