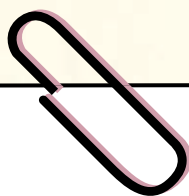




CLASS 4

Contents



- ➔ NSO - Level-2 (2014)
- ➔ NSO - Level-2 was an online exam. (2015)
- ➔ NSO - Level-2 (2016)
- ➔ NSO - Level-2 (2017)
- ➔ NSO - Level-2 (2018)
- ➔ NSO - Level-2 (2019)



LEVEL - 2

Year 2013-14

MENTAL ABILITY

1. In a parking, there were 18 bicycles and 115 cars. After an hour, $\frac{2}{5}$ of the cars left in the parking. How many vehicles were left in the parking?

A. 64 B. 69 C. 87 D. 97

2. Find a number which is a multiple of 7 between 50 and 100, which can be divided by 6 and leaves no remainder. The sum of the digits of the number is 12.

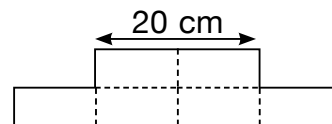
A. 91 B. 84 C. 77 D. 63

3. Mohit turns clockwise 270° and faces north-east in the end. Which direction was Mohit facing at first?

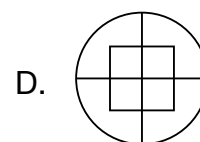
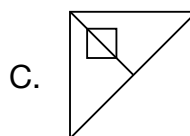
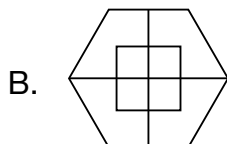
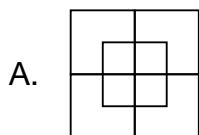
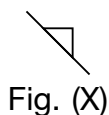
A. South B. South-East C. South-West D. West

4. The given figure is made up of 6 identical rectangles. If its perimeter is 108 cm, find the breadth of each rectangle.

A. 28 cm
B. 14 cm
C. 7 cm
D. 10 cm



5. Select a figure from the options in which Fig. (X) is exactly embedded as one of its part.



6. Which of the following sets of numbers are the factors of 56?

A. 2, 4, 6, 14, 28 B. 2, 4, 8, 14, 28 C. 3, 4, 7, 8, 14 D. 4, 7, 12, 28, 56

7. 628 is _____ more than the quotient of 1467 and 3.

A. 139 B. 146 C. 151 D. 167

Space for Rough Work

8. How many letters have exactly one line of symmetry?

- A. 5
- B. 2
- C. 3
- D. 4

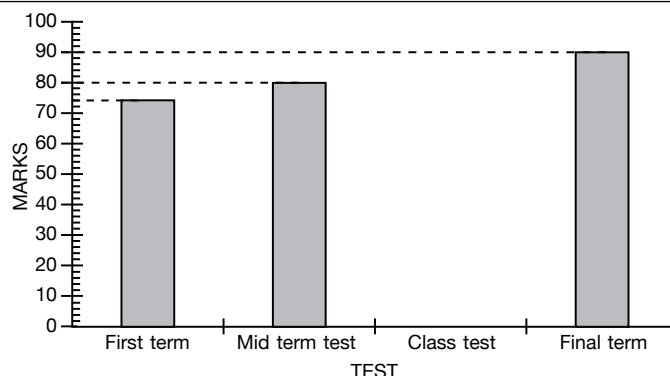
V I J K P B Z L

9. During a one-day camp, the children were actively participating in all the activities and rested during the 2 half-hour breaks and an hour lunch break. The camp started at 08 : 30 and ended at 15 : 45. How long were the children actively participating in the camp activities?

- A. 3 hrs 20 mins
- B. 5 hrs 15 mins
- C. 6 hrs 20 mins
- D. 8 hrs 27 mins

10. The graph shows Gaurav's marks for Mathematics. If Gaurav's total score was 336, how many more marks did he score in class test than in first term?

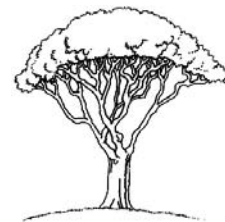
- A. 14
- B. 2
- C. 6
- D. 18



SCIENCE

11. The branches of some trees grow over a wide area to _____ .

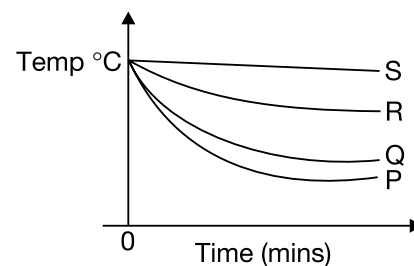
- A. lose as much water as possible
- B. get as much sunlight as possible
- C. get as much rainwater as possible
- D. provide a home to as many insects and birds as possible



12. Arpit carried out an experiment to find out which kind of container is best for keeping the food hot. He put the same amount of food into 4 containers made of different materials which were of the same size and thickness and placed them in the same external condition. The result of his experiment was recorded on the graph as shown.

Based on results, which container, P, Q, R or S, is the best for keeping the food hot?

- A. Container P
- B. Container R
- C. Container S
- D. Container Q



Space for Rough Work

13. What could be the possible consequence if Water Hyacinth grows too quickly in a pond?
- Plants like Lotus and Lily would grow rapidly and will eventually increase in number.
 - Plants like Hydrilla and Tape Grass would not grow and will eventually die.
 - Plants like Wolffia and Pistia would show reduced growth as Water Hyacinth will occupy a large surface area of pond.
 - Both B and C
-
14. A boy is running down the stairs at a constant speed. Which of the following is true regarding the amount of potential energy and kinetic energy?
- Kinetic energy increases and potential energy decreases.
 - Potential energy increases and kinetic energy decreases.
 - Potential energy decreases and kinetic energy remains unchanged.
 - Kinetic energy decreases and potential energy remains unchanged.
-

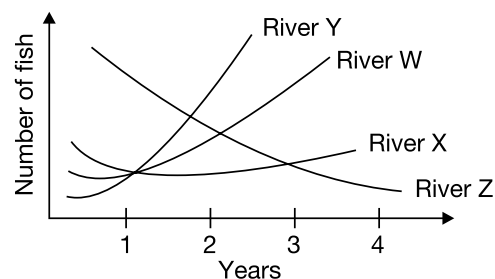
15. What is common among the given planets?

Jupiter, Saturn, Uranus and Neptune

- They are made up of frozen gases.
 - They are made up of rocks and iron.
 - They are neither hot nor cold.
 - They all have Moons.
- A. 1 and 4 B. 2 and 3 C. 2, 3 and 4 D. 1, 3 and 4
-
16. Which of these events are associated with the land breeze?
- Wind blows from areas of high pressure to areas of low pressure.
 - Cool air blows from the sea to the land.
 - Land cools faster than the sea.
 - Warm air rises over the land.
- A. 2, 3 and 4 B. 1 and 3 C. 2 and 3 D. 1, 2, 3 and 4
-

17. Study the given graph. Which river is most likely to be situated near an industrial area?

- River W
- River X
- River Y
- River Z



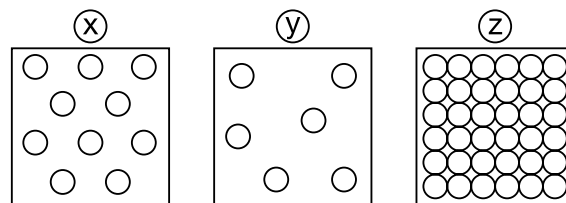
Space for Rough Work

18. Refer the given diagram showing three states of matter and select the correct option to answer the questions that follow:

(a) Which of the states of matter has definite volume but not shape?

(b) Which of the states of matter is the most compressible?

- | | a | b |
|----|----------|----------|
| A. | z | x |
| B. | x | z |
| C. | x | y |
| D. | z | y |



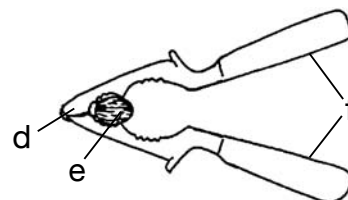
19. Which of these is the correct classification of biodegradable and non-biodegradable objects?

- | | Biodegradable | Non-biodegradable |
|----|----------------------|--------------------------|
| A. | Table cloth | Paper |
| B. | Styrofoam cup | Wooden log |
| C. | Potato skin | Glass bottle |
| D. | Glass bottle | Potato skin |

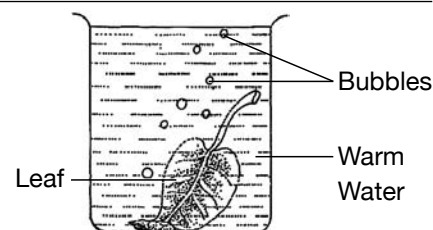
20. The given diagram shows a nutcracker.

Which one of the following tabulates the load, effort and fulcrum correctly?

- | | d | e | f |
|----|----------|----------|----------|
| A. | Effort | Load | Fulcrum |
| B. | Fulcrum | Load | Effort |
| C. | Load | Effort | Fulcrum |
| D. | Fulcrum | Effort | Load |



21. Rajeev put a leaf he had just plucked, into a beaker of warm water as shown. He noticed bubbles coming out of the leaf. He noticed more bubbles on the lower surface of leaf. Which of the following is the correct explanation for this?



- A. Photosynthesis can take place on the lower surface of the leaf.
- B. There are more stomata on the lower surface of the leaf.
- C. The leaf is transporting sugar to the lower surface of the leaf.
- D. Carbon dioxide enters the leaf from the upper surface and oxygen comes out from the lower surface.

Space for Rough Work

22. Which of these is INCORRECT about roughage?

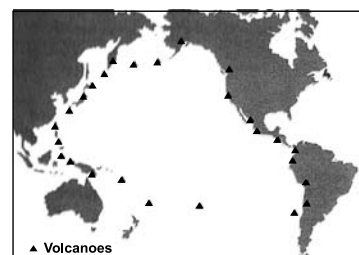
- A. It helps in making blood.
- B. It helps in repairing the damaged parts of the body.
- C. It helps the body to get rid of undigested food.
- D. Both A and B

23. The process by which some birds keep their eggs warm by sitting on them is known as _____.

- A. Hatching
- B. Moulting
- C. Incubation
- D. Metamorphosis

24. The given map shows some of the world's volcanoes. What conclusion can be drawn from the map?

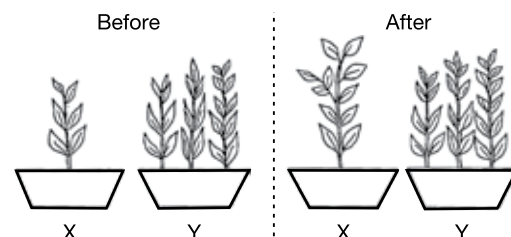
- A. Volcanoes occur on only one continent.
- B. Volcanoes are affected by climate.
- C. Volcanoes are concentrated in certain areas.
- D. Volcanic belt occurs across a huge land mass on Earth



25. Silvy left two pots, X and Y, having green plants near her window for a week.

Based on the given diagrams of plants, which of the following statements could be true?

- 1. The plant in X grows faster than the plants in Y.
- 2. The plants in Y compete for nutrients and space.
- 3. The plant in X makes food but the plants in Y do not.

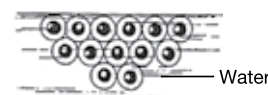


- A. 1 and 2
- B. 1 and 3
- C. 2 and 3
- D. 1, 2 and 3

26. Select the INCORRECT statement regarding air.

- A. Air is a mixture of many gases- nitrogen (78%), oxygen (21%) and others including carbon dioxide (1%).
- B. Near the ground there is more air, hence air pressure is the least.
- C. The oxygen in the air is required for burning things.
- D. When a balloon is overfilled with air, the air pressure inside becomes greater than the air pressure outside and it bursts.

27. The given diagram shows eggs of an animal 'X'. Identify animal 'X' among the following.



- A. 
- B. 
- C. 
- D. 

Space for Rough Work

28. Some food items were tested with iodine. All were tested negative except _____.

- A. Potato B. Eggs C. Chicken D. Prawn

29. The given houses can be grouped into _____.

- A. Portable and temporary houses
B. Moveable and portable houses
C. Temporary and permanent houses
D. Permanent and skyscraper houses



30. The movements of the hot and cold air set up a convection current. This explains why _____.

- A. An air conditioner is always placed near the top of the wall.
B. A heater is always placed as low as possible in room
C. The back of a refrigerator is often painted black.
D. Both A and B.

ACHIEVERS SECTION

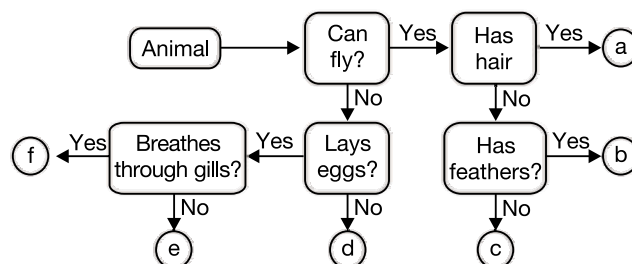
31. Read the following sentences with blanks in them. Select the option which correctly fills up the blanks in any two sentences.

- (a) _____ provide door to door service.
(b) _____ carries country's largest amount of bulky goods like coal, cement, food grains, fertilizers, petroleum, automobiles, etc. from mines to industries and from industries to the areas of consumption.
(c) _____ is a better mode of transportation in reference to cross-continental transfers.
(d) _____ is very useful at the time of natural or any other calamities for saving people or supplying goods.
(e) Indian _____ service has the largest network in the world.

- A. c - Railways, e - Postal
B. c - Water transport, d - Air transport
C. b - Inland waterways, e - Telephonic
D. b - Air transport, a - Roads

32. Study the given flow chart and select the correct match of any three letters with respective animals.

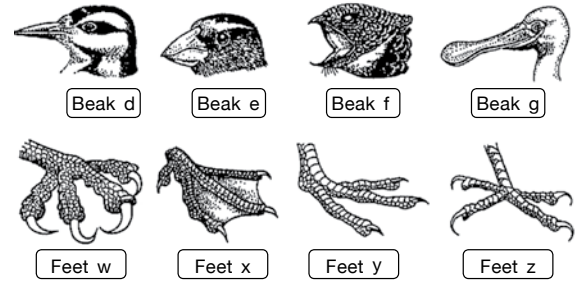
- A. a - Bat, e - Ostrich, f - Goldfish
B. d - Pigeon, c - Cockroach, e - Human
C. b - Bat, e - Ostrich, f - Cockroach
D. a - Pigeon, b - Human, d - Goldfish



Space for Rough Work

33. Vaishali saw a bird hunting for insects by drilling its beak into trees. Which type of beak and feet would the bird have?

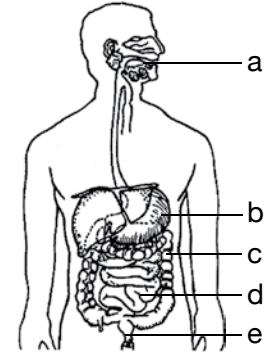
- A. e and y
B. d and z
C. g and w
D. f and x



34. Refer the given figure showing digestive system and select the option to answer the questions that follow:

1. Where does the digestion of food begin and end respectively?
2. In which labelled parts, the acid and the enzymes break the food?

- | 1 | 2 |
|---------|---|
| A. b, e | c |
| B. a, d | b |
| C. c, d | e |
| D. a, d | c |



- 35.
- Harish said "I can smell paneer tikka. Wow! It is really delicious!" He had used his sense of 'd' and 'e' before making the statement.
 - A blind person use his sense of 'f' whenever he reads.
 - Namita said "The cover of this story book is smooth and colourful". She used her sense of 'g' and 'h'.

Select the correct option regarding the senses being used in above given passage.

- A. Sense of 'd' and 'e' are used to taste and feel a hot cup of coffee.
B. Either of the senses 'g' or 'h' has the same function as sense 'f'.
C. Sense 'g' and 'h' are used to distinguish between pleasant and loud sound.
D. All of these.

Space for Rough Work