

2021-22



## National Level Science Talent Search Examination

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### CLASS 2

Please fill the following details immediately

Name \_\_\_\_\_

Hall Ticket No. \_\_\_\_\_

**Questions : 50**

**Time : 60 minutes**

#### INSTRUCTIONS

**Read all instructions carefully before attempting any question.**

- Ensure that the 'Class' printed here and inside, is the same as the test you are appearing for.
- You must complete the paper within the time allotted.
- Do not open this question paper until you are permitted to.
- You are not allowed to use a calculator.
- Figures herein are not to scale. Hence, you cannot depend on the estimate of size or measurement. Use your knowledge of the subject.
- Rough work shall be carried out only in the space provided for the same throughout this booklet. No separate sheets are allowed for the same.
- Return your answer sheet to the invigilator soon after completion and before leaving the examination hall. Take the question paper with you.
- There is no negative marking.
- Results would be made available on [www.unifiedcouncil.com](http://www.unifiedcouncil.com)

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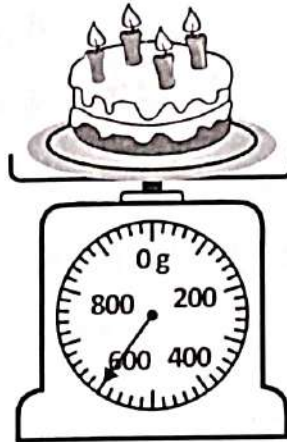
**01** Arun thinks of a number.  
He writes these clues so his friends can guess it.

- The number is less than 1000.
- The number has 90 tens.
- The digit in the ones place is the same as the digit in the hundreds place.

What is Arun's number ?

- (A) 90      (B) 99      (C) 900      (D) 909

**02** If the weight of the plate in the figure is 100 g, then the weight of the cake is \_\_\_\_\_.



- (A) 200 g      (B) 600 g  
(C) 500 g      (D) 400 g

**03** Arrange the given sequence in descending order and then select the sum of the first and the middle digit among the given options.

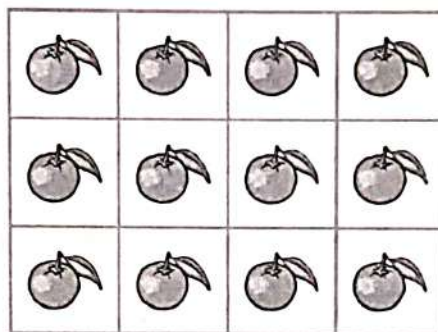
**5 , 8 , 3 , 2 , 6**

- (A) 12      (B) 16      (C) 15      (D) 13

**04** Choose the correct statement for capacity.

- (A) The weight of an apple
- (B) The length of a hall
- (C) The amount of time it takes to walk to school
- (D) The amount of water a swimming pool holds

**05** Which option does not describe the given picture ?



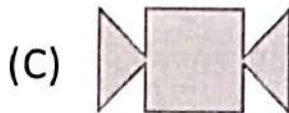
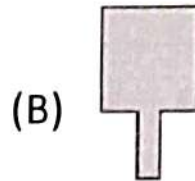
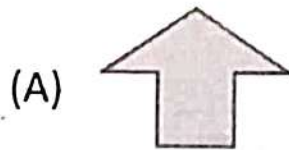
- (A) 4 threes
- (B) 4 groups of 3
- (C)  $3 + 3 + 3 + 3$
- (D)  $4 + 4 + 4 + 4$

**06** Choose the correct statement.

- (A) 12:10 pm is in the morning
- (B) 12:10 am is in the afternoon
- (C) 12:10 pm is in the afternoon
- (D) 12:10 am does not exist

Space for rough work

**07** Which option can be made up of only 1 triangle and 1 square ?



**08** Rakesh had 4 fish tanks. Each tank had 10 fish in it. He then bought one more tank. He shared all the fish equally between the 5 tanks. How many fish were there in each tank ?

- (A) 8      (B) 9      (C) 10      (D) 6

**09** The poster was on the wall for 6 weeks. This is \_\_\_\_\_.

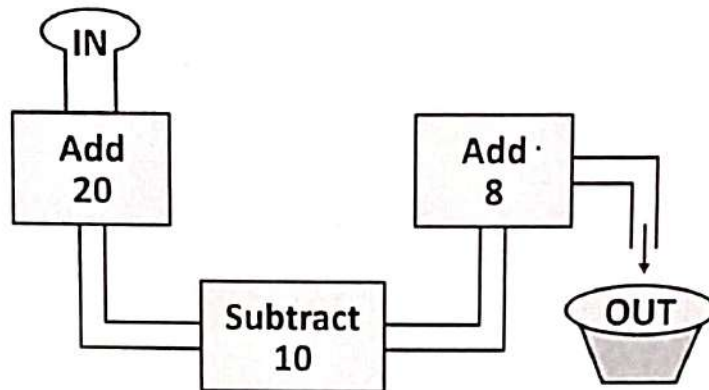
- (A) less than one month  
 (B) more than one month  
 (C) the same as one month  
 (D) less than 40 days

**10** Choose the correct number statement.

- (A)  $5 \times 7 = 5 + 5 + 5 + 5 + 5$   
 (B)  $5 \times 1 = 1$   
 (C) 2 groups of 5 = 2 fives  
 (D)  $6 + 6 + 6 = 6$  sixes

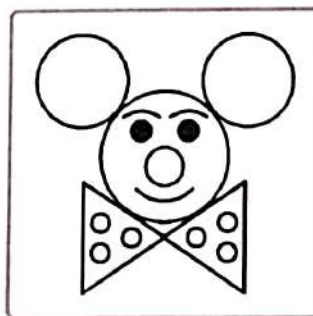
Space for rough work

- 11** A number machine takes any number put into it, adds 20, then subtracts 10, and then adds 8.



If 13 is put into the machine, what number comes out of it ?

- (A) 13      (B) 23      (C) 31      (D) 33
- 12** A doll is ₹ 35. Choose the correct amount paid to the shop keeper among the options.
- (A) ₹ 20 + ₹ 10 + ₹ 5      (B) ₹ 20 + ₹ 10  
(C) ₹ 10 + ₹ 5      (D) ₹ 20 + ₹ 5
- 13** Each student of class 3 brought 10 pencils to school. The students brought 30 pencils in all. Which number represents the total number of students in the class ?
- (A) 10      (B) 3      (C) 5      (D) 7
- 14** How many fewer triangles are there than circles ?



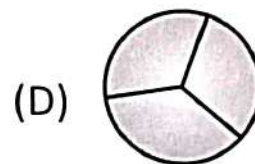
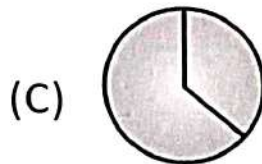
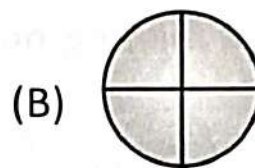
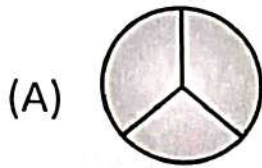
- (A) 5      (B) 12      (C) 8      (D) 10

**15** Compare and fill the box.

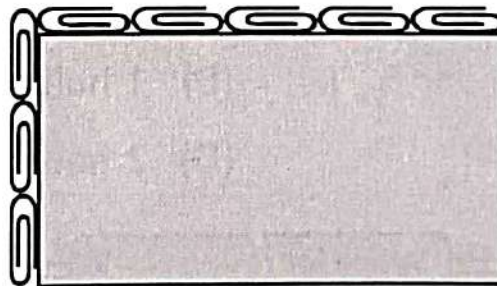
6 hundreds 30 ones ○  $600 + 10 + 7$

- (A) > (B) <  
(C) = (D) Can't be determined

**16** Identify the circle with smallest number of parts.



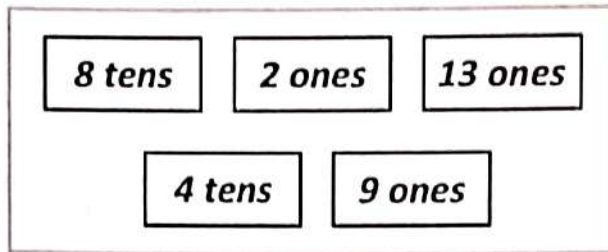
**17** Isha is using paperclips to measure this piece of card. What is the total length of all four sides ?



- (A) 8 paperclips (B) 13 paperclips  
(C) 15 paperclips (D) 16 paperclips

Space for rough work

**18** What is the sum of the greatest and smallest numbers from the box ?



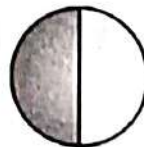
- (A) 15      (B) 82      (C) 92      (D) 93

**19** Choose the missing number.



- (A) 18                                      (B) 15  
 (C) 16                                      (D) 17

**20** Choose the fraction of the shaded circle.



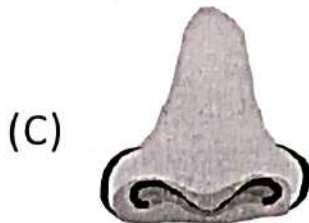
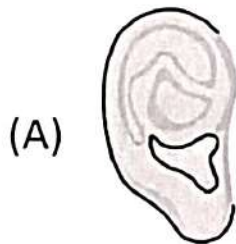
- (A) 2 ones                                      (B) 1 half  
 (C) 1 one                                      (D) 2 halves

Space for rough work

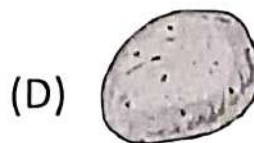
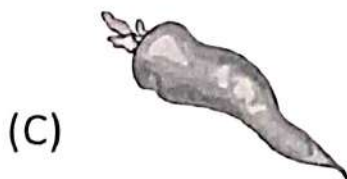
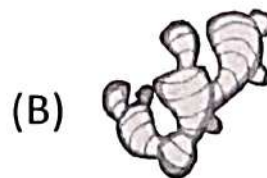
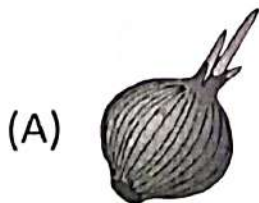
21 Which road sign indicates school ahead ?



22 Pick the odd one out.

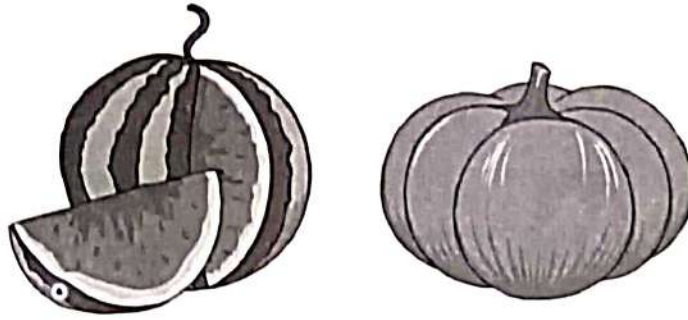


23 Root of which of the following plants is eaten by us ?





**24** What is a common feature of the given fruits ?

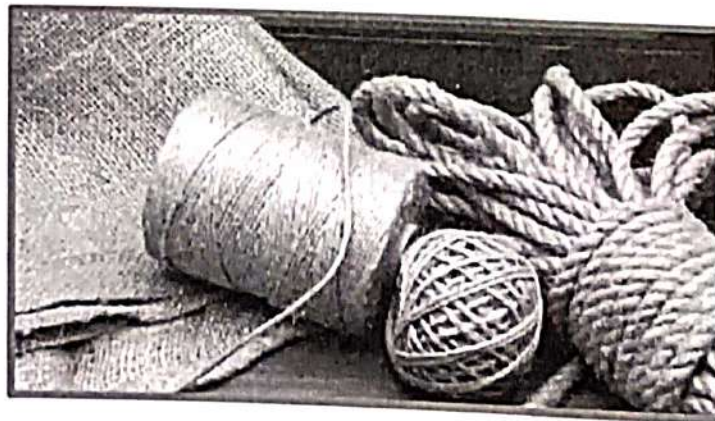


- (A) Both of them are one seeded fruits.
- (B) Both of them grow on creepers.
- (C) Both of them grow on climbers.
- (D) Both of them grow on shrubs.

**25** Who is obeying safety rules ?

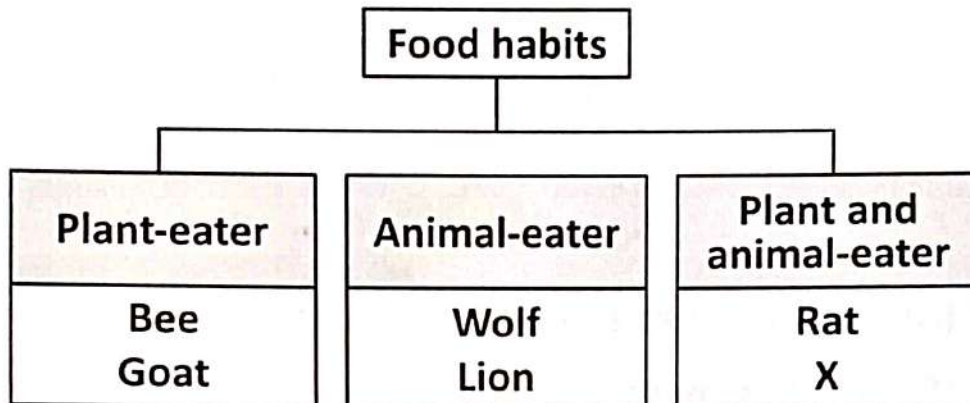
- (A) Arya always climb and descends the stairs carefully.
- (B) Tej is burning crackers by himself.
- (C) Tarun is cutting apples with a blade.
- (D) Both (B) and (C)

**26** The products shown below are obtained from \_\_\_\_\_.



- |                |                     |
|----------------|---------------------|
| (A) Jute plant | (B) Rice plant      |
| (C) Neem tree  | (D) Eucalyptus tree |

- 27** The given classification shows food habits in animals. What could X be ?



- (A) Cow                                      (B) Tiger  
 (C) Adult frog                              (D) Bear
- 28** We can save water by
- (A) keeping the tap running while we are brushing.  
 (B) repairing the tap that drips.  
 (C) storing rain water in buckets and using it for other purposes.  
 (D) both (B) and (C)
- 29** Identify the given picture.



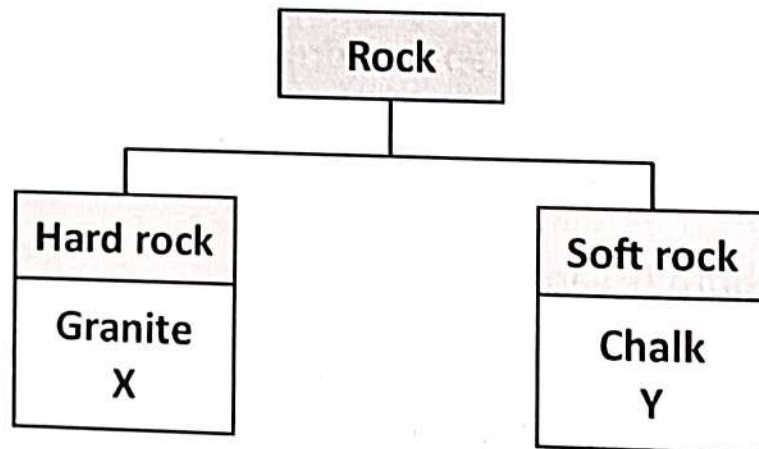
- (A) Model of Satellite      (B) Model of Sun  
 (C) Model of Earth          (D) Model of Star

**30** What is being proved by the given figure ?



- (A) Air occupies space.
- (B) Air has mass.
- (C) Air moves things.
- (D) Air gives shape to things.

**31** Raju classified rocks into two groups as shown in the given classification chart.



What can be placed at X and Y ?

	X	Y
(A)	China clay	Diamond
(B)	Marble	Graphite
(C)	Graphite	Sandstone
(D)	Diamond	Marble

**32** What is shown in the given picture ?



- (A) Kitchen utensils      (B) Tools of a mechanic  
(C) First aid box      (D) Tools of a chef

**33** What is **INCORRECT** about the Sun ?

- (A) The Sun appears to rise from the east in the morning.  
(B) The Sun makes the day warm and bright.  
(C) The Sun is a planet.  
(D) The Sun gives light and heat.

**34** Read the conversation among three friends Sneha, Rohan and Neetu.



I always cover my mouth while coughing.



I do not clean my ears with toothpick.

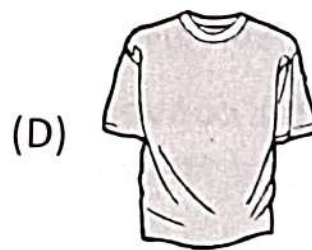
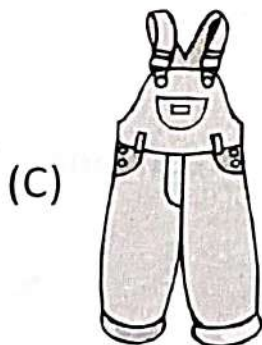
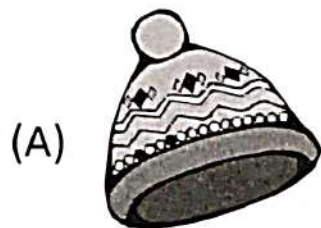
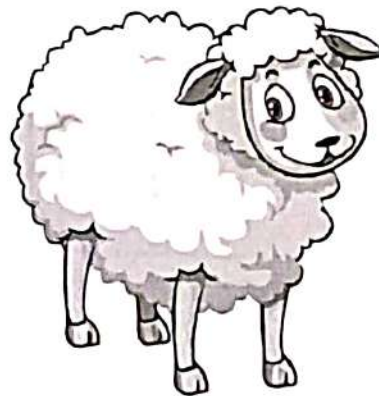


I bite my nails to keep them short.

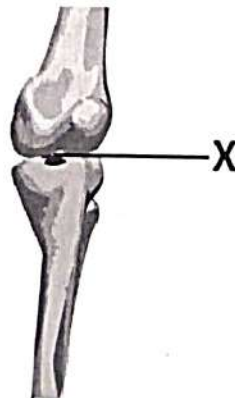
Who is following good habits ?

- (A) Sneha and Neetu  
(B) Sneha and Rohan  
(C) Rohan and Neetu  
(D) Sneha, Rohan and Neetu

**35** Select the item that is made from the fibre obtained from the picture shown below.



**36** X is a place where two bones meet. X is a



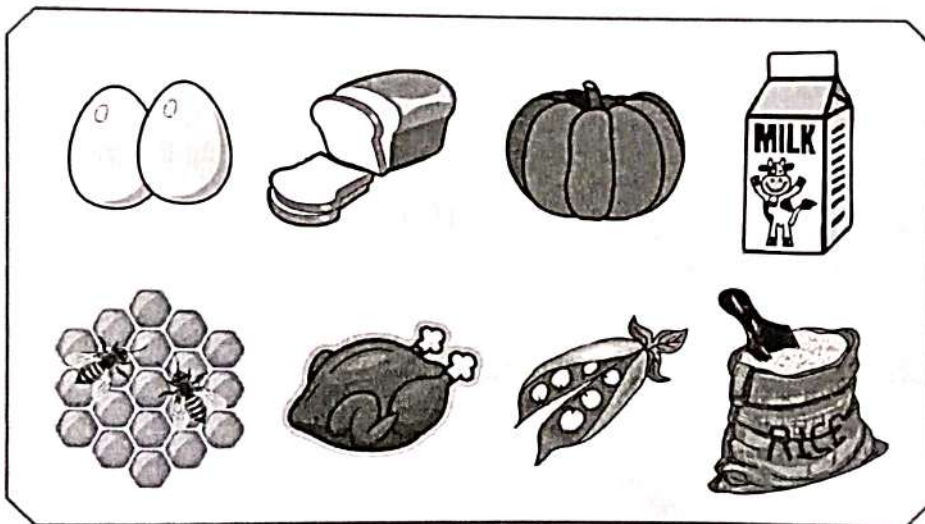
(A) Joint

(B) Muscle

(C) Skeleton

(D) None of these

- 37** Which of the following groups a pucca and a mobile house ?
- (A) Tent, Houseboat      (B) Bungalow, Apartment  
(C) Bungalow, Caravan   (D) Hut, Caravan
- 38** I am made up of a group of bones that protects the brain. Who am I ?
- (A) Ribcage                      (B) Skull  
(C) Skeleton                      (D) None of these
- 39** Given below are pictures of few food items.



How many of these items help us to grow or body building food ?

- (A) 2      (B) 3      (C) 4      (D) 5
- 40** Hard skin of the tree trunk is called the \_\_\_\_\_.
- (A) Bark                              (B) Spine  
(C) Branch                              (D) Bud
- 41** We should wash our hands before eating. This is to keep away.
- (A) Flies                              (B) Germs  
(C) Mosquitoes                      (D) All of these

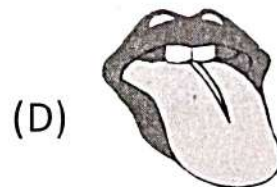
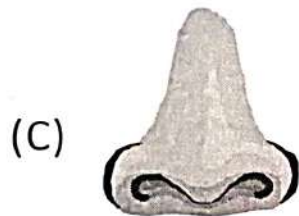
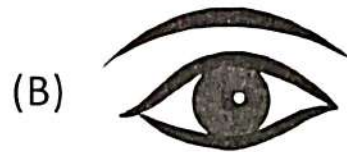
42 Read what Rani said about the bird.



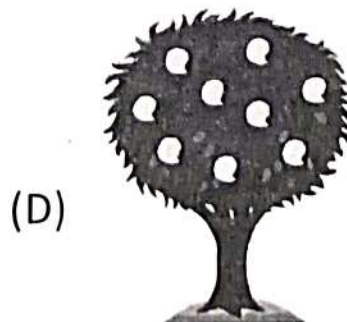
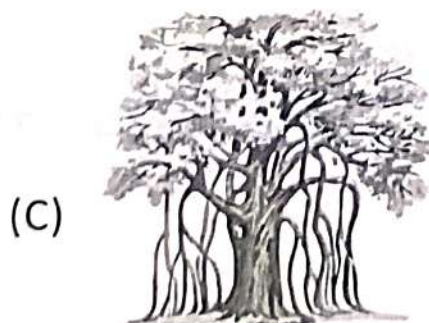
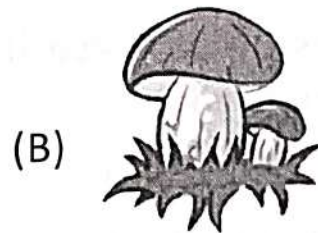
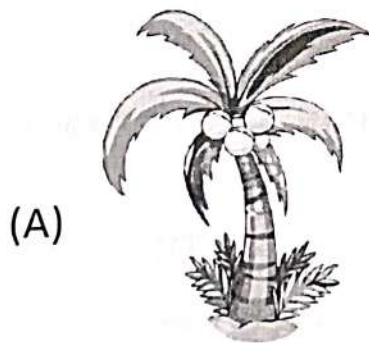
Rani

The peacock looks beautiful with its colourful feathers

Which sense organ has she used to describe the bird ?



43 Choose the odd one out.



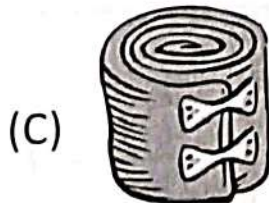
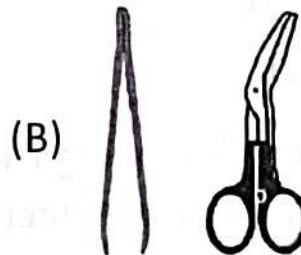
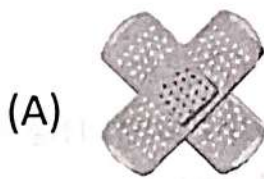
**44** Which of the following products obtained from animals is used as fuel ?

- (A) Dung (Dried)                      (B) Silk  
(C) Leather                              (D) Honey

**45** What happens if we pluck almost all the flowers from the lemon plant ?

- (A) This will result in decreased growth of the plant.  
(B) This will result in reduced number of lemons.  
(C) This will result in fall of leaves.  
(D) This will result in increased number of leaves.

**46** Which thing is found in a first-aid box ?



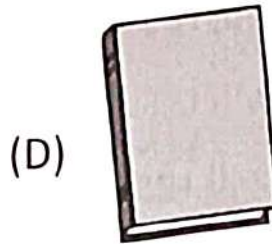
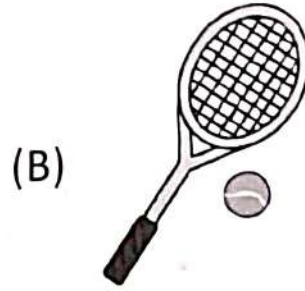
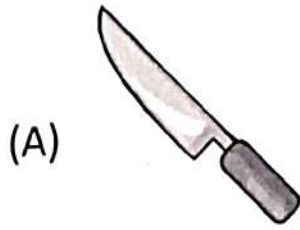
(D) All of these

**47** Abhi paired one living and one non-living thing together but in doing so, he made an incorrect pair. Select the incorrect pair.

- (A) Sheep , Table  
(B) Pine tree , Earthorm  
(C) Dog , Pencil  
(D) Mango tree , Clay pot



**48** Which of these things is NOT safe to play with ?



**49** Which of these have six legs and four wings ?

(A) Pigeon

(B) Bee

(C) Crow

(D) Parrot

**50** Match the following trees in column I with their group in column II and select the correct option.

Column - I		Column - II	
P	Banyan	I	Herb
Q	Cotton	II	Climber
R	Money plant	III	Tree
S	Mint plant	IV	Shrub

(A) P - III ; Q - IV ; R - II ; S - I

(B) P - IV ; Q - III ; R - II ; S - I

(C) P - I ; Q - II ; R - III ; S - IV

(D) P - III ; Q - II ; R - I ; S - IV