



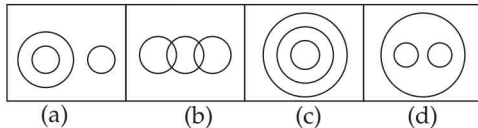
Logical Venn Diagram

A Venn Diagram is a representation method for all possible relations that can exist between given group of elements in a single figure.

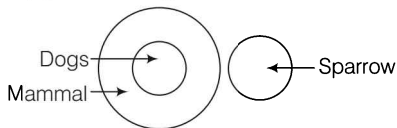
We generally use circles to represent any group. The questions asked from this type contain, a group of some elements (things) and also some diagrams. Here, a candidate is required to find out the diagram which classify the given group correctly or illustrates the relation between them.

Example 1 Identify the diagram that best represents the relationship among classes given below.

Mammal, Dog and sparrow



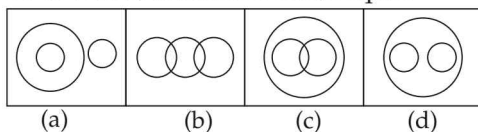
Sol. (a) According to the question,



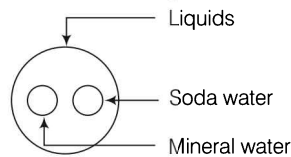
Dogs are mammal but sparrows are birds.

Example 2 Identify the diagram that best represents the relationship among the classes given below.

Soda water, Mineral water, Liquid

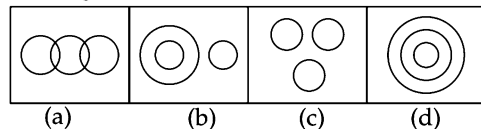


Sol. (d) According to the question,

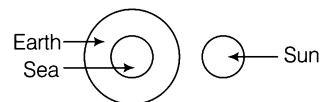


Soda water and mineral water both are liquids but different from each other.

Example 3 Which one of the following diagrams best depicts the relationship among Earth, Sea and Sun?



Sol. (b) According to the question,

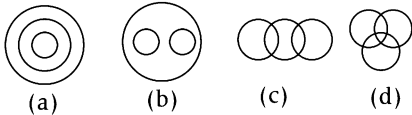


Sun is outside and sea is inside the Earth.

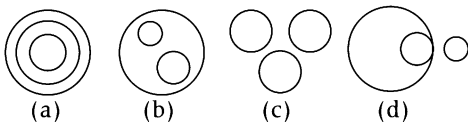


Practice Exercise

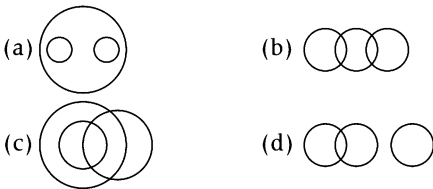
1. Identify the diagram that best represents the relationship among Tea, Coffee and Drink



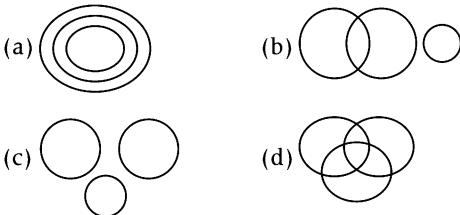
2. Which of the following figures represents the relation among Currency, Rupee and Dollar?



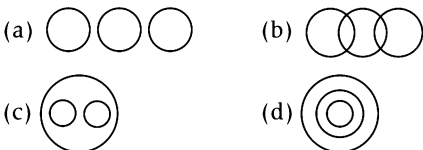
3. Which one of the following diagrams best depicts the relationship among Elephants, Wolves and Animals?



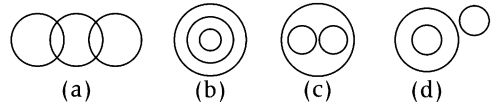
4. Which of the following represents Granite, Tree and Water



5. Which of the following diagrams correctly represents the relationship amongst India, Sri Lanka, Country ?



Directions (Q. Nos. 6 and 7) In each of these questions, three words are related in some way or other. The relationship among the words in the question can be best represented by one of the four diagrams (a), (b), (c) (d)

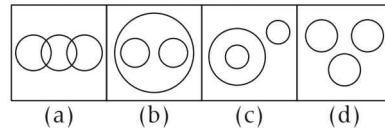


6. Goat, Carnivores, Lion

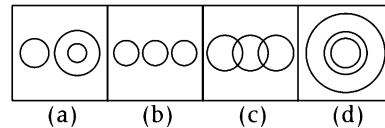
7. Truck, Ship, Goods

Directions (Q. Nos. 8-10) In the following questions, which one of the following diagrams represents the correct relationship among given items.

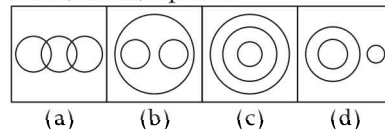
8. Travellers, Train, Bus



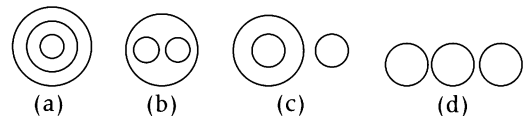
9. Red, Colour and Tree



10. Food, Curd, Spoons



Directions (Q. Nos. 11-15) Each question given below has three items having certain relationship among them. The same relationship is expressed by set of circles, each circle representing one item irrespective of its size. Match the items with right set of circles.



11. Week, Day, Year

12. House, Bedroom, Bathroom

13. Words with no vowel, words with one vowel, words with two vowels

14. School, Classroom, Blackboard

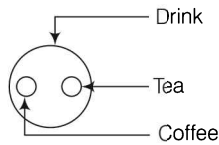
15. Planets, Earth, Sun

Answers

1	(b)	2	(b)	3	(a)	4	(c)	5	(c)	6	(d)	7	(a)	8	(a)	9	(a)	10	(d)
11	(a)	12	(b)	13	(d)	14	(a)	15	(c)										

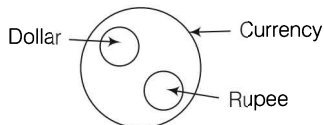
Hints & Solutions

1. According to the question,



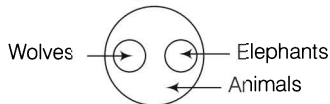
Tea and coffee are different types of drink.

2. According to the question,



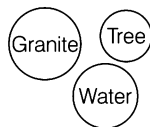
Dollar and rupee both are currency.

3. According to the question,



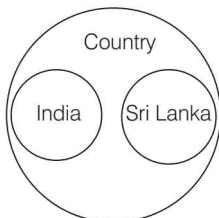
Wolves and elephants both are animals but both are of different category.

4. According to the question,



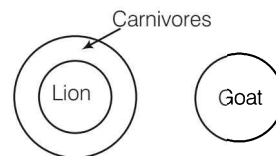
All are different entities.

5. According to the question,



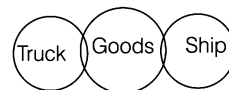
India and Sri Lanka both are different countries.

6. According to the question,



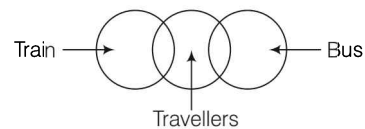
Lion is carnivore but goat is not.

7. According to the question,



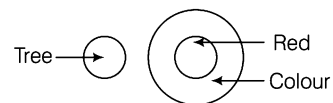
Some goods are transported by ships and some are by truck.

8. According to the question,



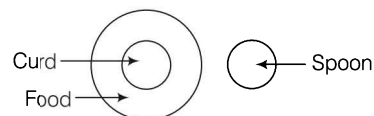
Some travellers travel by bus and some by train.

9. According to the question,



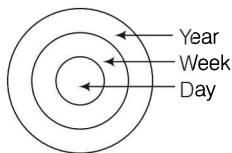
Red is a colour but tree is different.

10. According to the question,



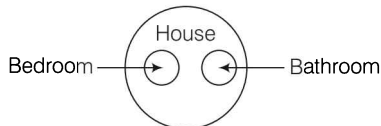
Curd is a type of food but spoon is different.

11. According to the question,



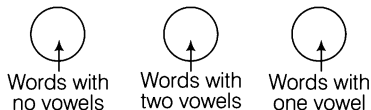
Year consists of weeks and week consists of days.

12. According to the question,



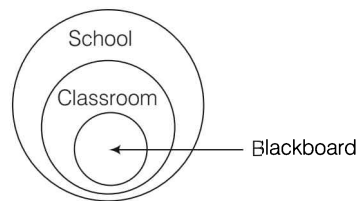
Bedroom and bathroom both are parts of a house but they are entirely different.

13. According to the question,



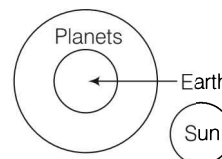
All are different in nature.

14. According to the question,



Blackboard is found in classroom and classroom is found in school.

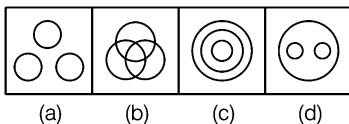
15. According to the question,



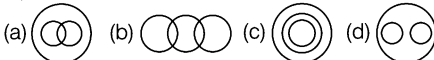
Earth is a planet but Sun is a star.

Try Yourself

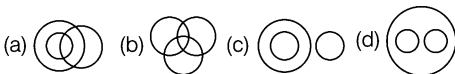
- 1) Which one of the following diagrams represents the correct relationship among Vehicle, Car, Bus



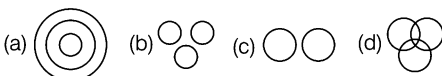
- 2) Identify the diagram that best represents the relationship among classes given below. Sportsmen, Cricketers, Batsmen



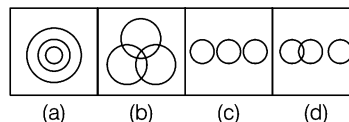
- 3) Which figure will best represent the relationship amongst the three classes Doctor, Teacher, Women?



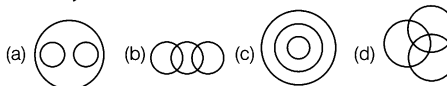
- 4) Which venn diagram truly represents the relationship among Doctors, Lawyers and Engineers?



- 5) Which figure best represents the relationship among Days, Months and Year?



Directions (Q. Nos. 6-10) Each question given below, has three items having certain relationship among them. The same relationship is expressed by sets of circles, each circle representing one item irrespective of its size. Match the items with right set of circles.



- 6) Rivers, Canals, Perennial source of water
7) Rings, Ornaments, Diamond rings
8) Seconds, Minutes, Hours
9) Computer skilled, Graduates, Employed
10) Students, First divisioners, Third divisioners

Answers

- | | | | | |
|-------|-------|-------|-------|--------|
| 1 (d) | 2 (c) | 3 (b) | 4 (b) | 5 (a) |
| 6 (a) | 7 (c) | 8 (c) | 9 (d) | 10 (a) |