

## SECTION - A

1. BD is related to 6, in the same way LK is related to.

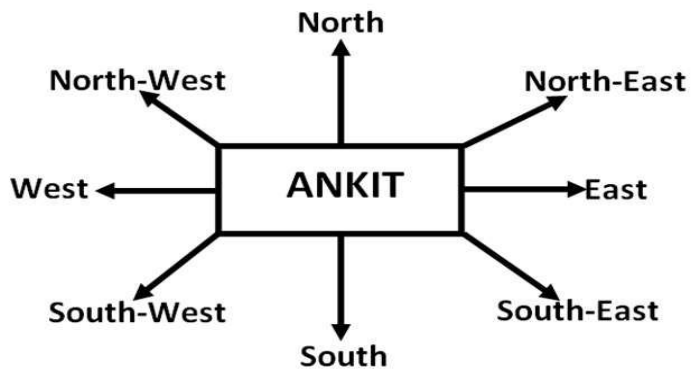
- |       |       |
|-------|-------|
| a. 23 | b. 22 |
| c. 24 | d. 25 |

2. Find the next term in the given series.

{ABZ} {BDA} {CFB} {DHC} {?}

- |        |        |
|--------|--------|
| a. DJE | b. EDJ |
| c. EJE | d. EJD |

3. Ankit faced North-East after turning  $315^\circ$  anti-clockwise. Which direction he was facing at the start?



- |          |          |
|----------|----------|
| a. East  | b. West  |
| c. North | d. South |

4. Find the missing entry.

<b>11 C</b>	<b>23 A</b>	<b>2 B</b>
<b>22 A</b>	<b>67 B</b>	<b>3 C</b>
<b>?</b>	<b>34 C</b>	<b>1 A</b>

- a. 11A
- b. 33C
- c. 11B
- d. None of the above

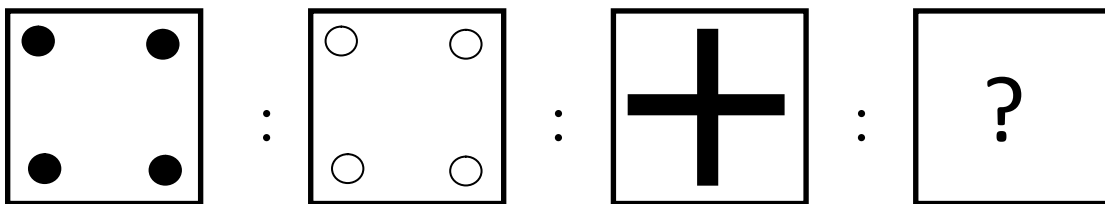
5. Study the information carefully, to answer the question given below.

In a school, there were five teachers A, B, C, D and E. A and B were teaching Hindi and English. C and B were teaching English and Geography. D and A were teaching Mathematics and Hindi. E and B were teaching History and French.

B and A were teaching which of the following subjects?

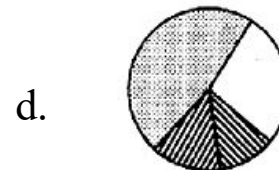
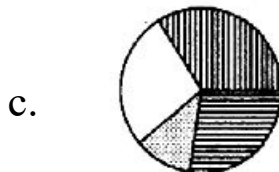
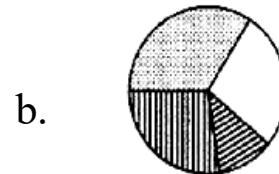
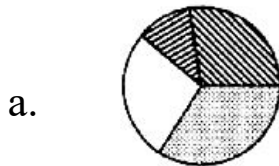
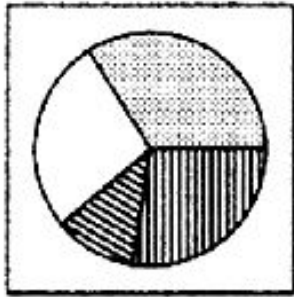
- a. English only
- b. Hindi only
- c. Hindi and English
- d. English and Geography

6. Which figure completes the second pair in the same way as the first pair





7. Identify the mirror image of the figure given below.



## SECTION - B

8. The greatest and smallest six-digit number that can be formed from the 2, 1, 5, 3, 4, 7 is

- a. greatest number = 754321, smallest number = 123457
- b. greatest number = 321754, smallest number = 145237
- c. greatest number = 715432, smallest number = 234571
- d. greatest number = 725431, smallest number = 457 123

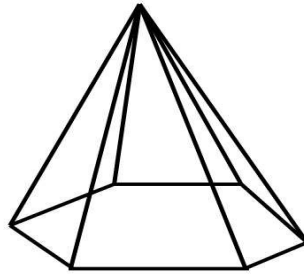
9. Which of the following is not zero?



- b. Bulbul  
c. Tuntun  
d. all three covers equal distance
13. On which item, the expenditure is maximum?  
a. House rent  
b. Food  
c. Others  
d. Education
14. The product obtained on multiplying a monomial by a binomial as given  
$$8xyz \times (xyz - 2x^2y^2z^2)$$
 is  
a.  $6x^2y^2z^2 - 16x^3y^3z^3$   
b.  $8x^2y^2z^2 - x^3y^3$   
c.  $8x^2y^2z^2 - 16x^3y^3z^3$   
d. none of these
15. A person invested some amount at the rate of 12 % simple interest and the remaining at 10 %. He received yearly an interest of Rs. 130. Had he interchanged the amounts invested, he would have received an interest of Rs. 134. How much money did he invest at different rates?  
a. Rs. 500 @ 10 %, Rs. 800 @12 %  
b. Rs. 700 @ 10 %, Rs. 600 @12 %  
c. Rs. 800 @ 10 %, Rs. 400 @ 12%  
d. Rs. 700 @ 10 %, Rs. 500 @ 12%

## SECTION - C

16. The given figure has



- (i) Faces : \_\_\_\_\_  
(ii) Edges : \_\_\_\_\_  
(iii) Corners : \_\_\_\_\_

- |    |          |    |          |
|----|----------|----|----------|
| a. | 5, 11, 7 | b. | 6, 11, 6 |
| c. | 7, 12, 7 | d. | 8, 12, 7 |

17. Find the greatest number of five digits which on dividing by 9, 12, 15, 18 leaves 6, 9, 12, 15 as remainder.

- |    |       |    |       |
|----|-------|----|-------|
| a. | 99900 | b. | 18009 |
| c. | 99897 | d. | 99987 |

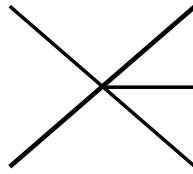
18. Mohit left for his office in his car. He drove 12 km towards North and then 10 km towards West. He then turned to the South and covered 4 km. Further he turned to the East and moved 8 km. Finally, he turned right and drove 8 km. How far and in which direction is he from his starting point ?

- |    |            |    |             |
|----|------------|----|-------------|
| a. | 4 km, West | b. | 2 km, North |
| c. | 2 km, East | d. | 2 km, West  |

19. Which of the following numbers will make the set of natural numbers to whole numbers?

- |    |     |    |               |
|----|-----|----|---------------|
| a. | 100 | b. | 0             |
| c. | 1   | d. | None of these |

20. Number of angles formed in the given figure is



- a. 5
- c. 3

- b. 4
- d. 2

21. The top of a cliff overlooking the ocean is 1050 ft. above sea level. The sea floor at the foot of the cliff is 40 ft below sea level. A rock falls off the cliff and drops to the sea floor. What is the correct expression to represent the distance between rock and the top of the cliff?

- a.  $1050 - (-40)$
- c.  $1050 - 40$

- b.  $-40 - 1050$
- d.  $40 - 1050$

22. Minakshi was shopping for a new hand bag. The one she wanted to buy cost Rs. 428.98. The sales person informed her that the same hand bag would be on sale the following week for Rs. 399.99. How much money would she save by waiting until the hand bag went on sale ?

- a. Rs. 128.99
- c. Rs. 29.01

- b. Rs. 39.09
- d. Rs. 28.99