

Q1. In the following question, Select the related number from the given alternatives .

167:14::143:?

(a) 7 (b) 8 (c) 6 (d) 5

Q2. If in a certain code, RAMAYANA is written as PYKYWYLY, then how MAHABHARATA can be written in that code?

(a) NBIBCIBSBUB (b) LZGZAGZQZSZ
(c) MCJCDJCTCVC (d) KYFYZFYPYRY

Q3. In the following question, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

14, 19, 29, 49, 89, ?

(a) 139 (b) 149 (c) 159 (d) 169

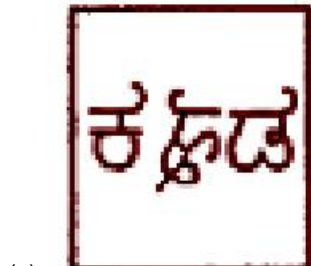
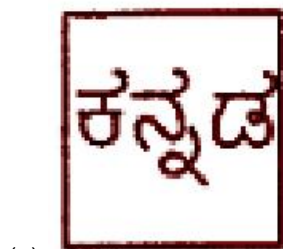
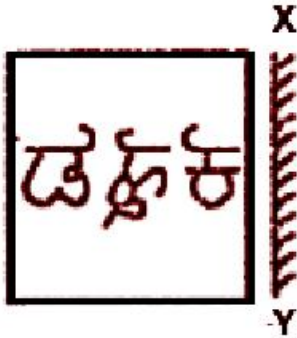
Q4. 'Country' is related to 'President' in some way, in the same way, 'State' is related to:

(a) Chief Minister (b) Prime Minister
(c) Speaker (d) Governor

Q5. If - stands for division, + for multiplication, ÷ for subtraction and × for addition, then which one of the following equations is correct?

(a) $19 + 5 - 4 \times 2 \div 4 = 11$ (b) $19 \times 5 - 4 \div 2 + 4 = 16$
(c) $19 \div 5 + 4 - 2 \times 4 = 13$ (d) $19 \div 5 + 4 + 2 \div 4 = 20$

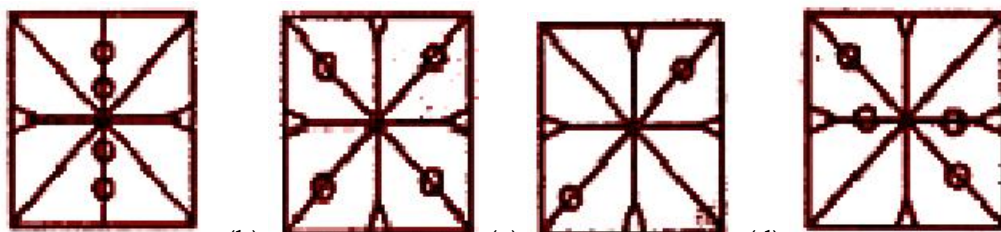
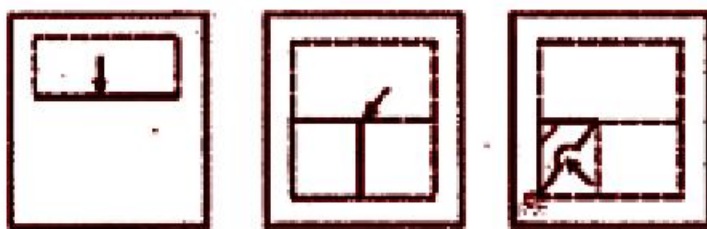
Q6. Which of the answer figures is exactly the mirror image of the given figure when the mirror is held as shown?



(d)

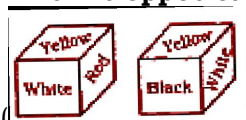


Q7. In the following question a piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?



(a) (b) (c) (d)

Q8. From the following two different appearances of die, find out the colour which is opposite to Red :

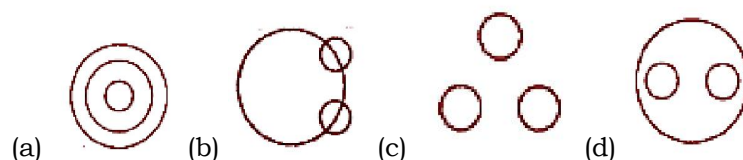


- (a) Blue (b) Black
(c) White (d) Yellow

Q9. If CAT is coded as 3120, what code number can be given to NAVIN?

- (a) 14122914 (b) 49274654 (c) 73957614 (d) None of these

Q10. Which one of the following Venn diagrams represents the best relationship between Snake, Lizard, Reptiles?



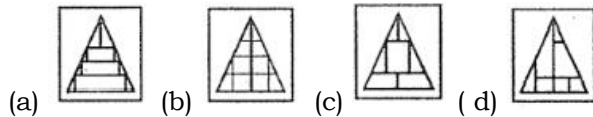
Q11. In the following question, select the missing number from the given responses.

6	9	12
36	81	144
24	63	?

- (a) 120 (b) 80 (c) 94 (d) 102

Q12. In this question the given question figure is embedded in which of the given answer figures?





Q13. In the following question a series is given, with one term missing. Choose the correct alternatives from the given ones that will complete the series.
6, 7, 18, 23, 38 ?

- (a) 49 (b) 47 (c) 87 (d) 92

Q14. In the following question, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series

WORLD, XPSME, ?, ZRUOG

- (a) YQTNF (b) YRTNF (c) YTQNF (d) YQNTF

Q15. In a family Mr. Prakash has his wife and his two married brothers of whom one has two children and another has no children. How many members are there in the family ?

- (a) 12 members (b) 8 members
 (c) 6 members (d) 10 members

Q16. In the following question which one of the given responses would be a meaningful order of the following ?

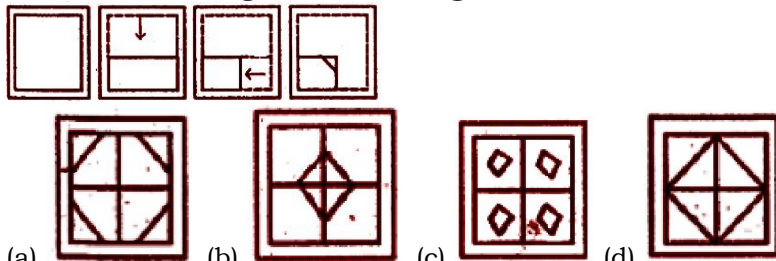
- (1) Birth (2) Death
 (3) Childhood (4) Infancy
 (5) Adolescence (6) Adulthood
 (7) Old age

- (a) 2, 6, 7, 5, 4, 3, 1 (b) 1, 4, 3, 5, 6, 7, 2
 (c) 1, 4, 3, 6, 5, 7, 2 (d) 2, 7, 6, 4, 5, 3, 1

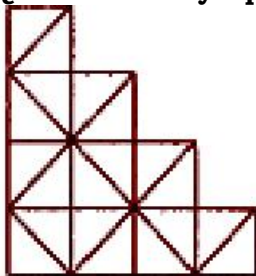
Q17. In the following question, find the odd word from the given alternatives:

- (a) Gallon (b) Ton
 (c) Quintal (d) Kilogram

Q18. In the following question, a piece of paper is folded and cut as shown below. From the given answer figures indicate how it will appear when opened.



Q19. How many squares are there in the given figure?



- (a) 10 (b) 11 (c) 12 (d) 14

Q20. In the following questions, select the related word from the given alternatives.

Editor : Newspaper :: _ : _

- (a) Table : Carpenter
- (b) Journal : Journalist
- (c) Author : Novel
- (d) Blacksmith : Furnace

Q21. Which of the conclusions given in the options, logically follow given statements, disregarding commonly known facts.

Statements

1. Some blues are green.

2. All pink is green

- (a) Some blues are pink.
- (b) Some green are pink.
- (c) Either 1 or 2 follows.
- (d) Some pinks are blues.

Q22. In the following question, find the odd number pair from the given alternatives:

- (a) 120-560 (b) 91-299 (c) 78-169 (d) 104- 429

Q23. In the following question, select the missing number from the given responses:

7	3	2
4	9	6
2	1	5
69	91	?

- (a) 58 (b) 51 (c) 65 (d) 64

Q24. In the following question, select the one which is different from the other responses.

- (a) ACDF (b) TUOP (c) HIVW (d) FGKL

Q25. Vivek and Ashok start from a fixed point. Vivek moves 3 km north and turns right and then covers 4 km. Ashok moves 5 km west and turns right and walks 3 km, Now how far are they apart ?

- (a) 10 km (b) 9 km (c) 8 km (d) 6 km

Q26. The efficiencies of A , B and C are in the ratio of 2 : 3 : 5. Working together, they can complete a task in 6 days. In how many days will A alone complete 20% of the task?

- (a) 8
- (b) 5
- (c) 6
- (d) 4

Q27. The ratio of the efficiencies of A, B and C is 2 : 5 : 3. Working together, they can complete a work in 27 days. B and C together can complete $\frac{4}{9}$ th part of that work in:

- (a) 27 days
- (b) 15 days
- (c) $17\frac{1}{7}$ days
- (d) 24 days

Q28. A and B , working together, can complete a work in 16 days, C and A together can complete it in 32 days and C and B together can complete it in 24 days. They worked together for 12 days. In how many days will C can complete the remaining work ?

- (a) 40
- (b) 36
- (c) 45
- (d) 32

Q29. 18 men can complete a work in 9 days. After they have worked for 5 days, 6 more men join them. How many days will they take to complete the remaining work ?

- (a) 3
- (b) $2\frac{1}{2}$
- (c) 2
- (d) $3\frac{1}{2}$

Q30 It is given that men are twice as efficient than women in respect to doing work. If three men and two women can complete the work in 2 days, then in how many days can a woman working alone complete the work?

- (a) $12\frac{1}{2}$ (b) 16 (c) $10\frac{1}{3}$ (d) 8

Q31. A and B can complete a piece of work in 15 days and 10 days respectively. They got a contract to complete the work for Rs. 35,000. The share of A in the contracted money will be :

(a) 7000 (b) 15000 (c) 14000 (d) 21000

Q32. Rs. 1 0,000 has to be distributed among 3 craftsmen, 5 helpers and 6 labourers such that each helper receives the amount twice as much as a labourer receives and each craftsman receives the amount thrice as much as a labourer receives. What is the amount received by the three craftsmen ?

(a) Rs. 2400 (b) Rs. 4000 (c) Rs. 3600 (d) Rs. 2700

Q33. A can complete a piece of work in 20 days and B can complete 20% of the work in 6 days. If they work together in how many days can they finish 50% of the work, if they work together ?

(a) 12
(b) 6
(c) 8
(d) 9

Q34. A and B can finish a work together in 30 days, B and C can finish the same work together in 24 days and A and C can finish the same work together in 40 days. If all three work together, how long will it take them to complete the work?

(a) 20 days (b) 5 days (c) 10 days (d) 15 days

Q35. A can do a work in 20 days, while B can do the same work in 25 days. They started the work jointly. Few days later C also joined them and thus all of them completed the whole work in 10 days. All of them were paid total of rs 700. What is the share of C?

(a) 55 (b) 65 (c) 75 (d) 70

Q36. The ratio of efficiencies of A , B and C is 7 : 5 : 8. Working together, they can complete a piece of work in 42 days. B and C worked together for 21 days and the remaining was completed by A alone. The whole work was completed in :

(a) 96 (b) 99 (c) 102 (d) 93

Q37. A can do 40% of a work in 6 days and B can do 30% of the same work in 3 days. They started the work together but B left after 2 days and A continued to work. In how many days was the entire work completed ?

- (a) 10 (b) 12 (c) 9 (d) 15

Q38. To do a certain work, the ratio of efficiency of A to that of B is 3:7. Working together, they can complete

the work in $10\frac{1}{2}$ days. They work together for 8 days. 60% of the remaining work will be completed by A alone in :

- (a) $5\frac{1}{2}$ days (b) 5 days (c) $6\frac{1}{2}$ days (d) 4 d ays

Q39. A and B can do a piece of work in 6 days and 8 days, respectively. With help of C, they completed the work in 3 days and earned Rs. 1 848. What was the share of C ?

- (a) Rs. 231 (b) Rs. 924 (c) Rs. 462 (d) Rs. 693

Q40. A certain number of persons can complete a work in 34 days working 9 hours a day. If the number of persons is decreased by 40%, then how many hours a day should the remaining persons work to complete the work in 51 days ?

- (a) 9 (b) 8 (c) 12 (d) 10

Q41. 4 men and 5 women can complete a work in 15 days, whereas 9 men and 6 women can do it in 10 days. To complete the same work in 7 days, how many women should assist 4 men?

- (a) 11 (b) 14 (c) 12 (d) 13

Q42. To do a certain work, the ratio of the efficiencies of X and Y is 5:4. Working together, they can complete the same work in 10 days. Y alone starts the work and leaves after 5 days. The remaining work will be completed by X alone in :

- (a) 14 days (b) 12 days (c) 15 days (d) 10 days

Q43. A is as efficient as B and C together. Working together A and B can complete a work in 36 days and C alone can complete it in 60 days. A and C work together for 10 days. B alone will complete the remaining work in :

- (a) 110 days (b) 88 days (c) 84 days (d) 90 days

Q44. A can do one-third of a work in 15 days, B can do 75% of the same work in 18 days and C can do the same work in 36 days. B and C work together for 8 days. In how many days will A alone complete the remaining work ?

- (a) 24 days (b) 18 days (c) 20 days (d) 16 days

Q45. 25 persons can complete a work in 60 days. They started the work. 10 people left the work after x days. If the whole work was completed in 80days, then what is the value of x ?

- (a) 9 (b) 8 (c) 30 (d) 15

Q46. The ratio of the efficiencies of A, B and C is 7:5:4. Working together, they can finish work in 35 days. A and B work together for 28 days. The remaining work will be completed (in days) by C alone:

- (a) 56(b) 63(c) 49(d) 60