

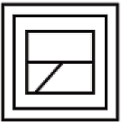
100+ Important Reasoning & M.A Questions Pdf for IAF AFCAT II 2022

**Directions (1-5):** From the given answer figures, select the one in which the question figure is hidden/embedded.

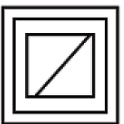
Q1.



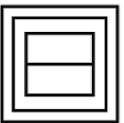
(a)



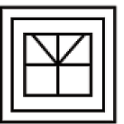
(b)



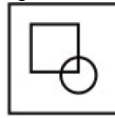
(c)



(d)



Q2.



(a)



(b)



(c)



(d)



Q3.



(a)



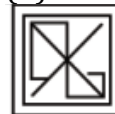
(b)



(c)



(d)



Q4.



(a)



(b)



(c)



(d)



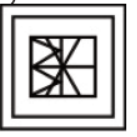
Q5.



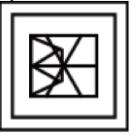
(a)



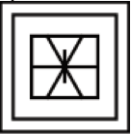
(b)



(c)



(d)



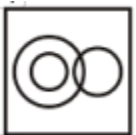
**Directions (6-9):** Identify the diagram that best represents the relationship among the given classes.

**Q6.** Rose, Flower, Stone

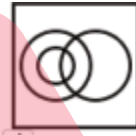
(a)



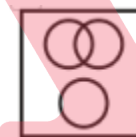
(b)



(c)



(d)



**Q7.** Tree, Branches, Root

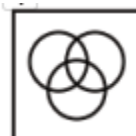
(a)



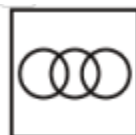
(b)



(c)



(d)



**Q8.** Shirt, Trouser, Clothes

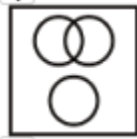
(a)



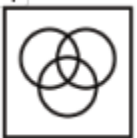
(b)



(c)



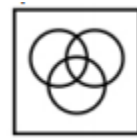
(d)



**Q9.** Identify the diagram that best represents the relationship among the given classes.

Fruits, Mango, Ripe

(a)



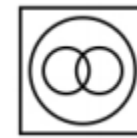
(b)



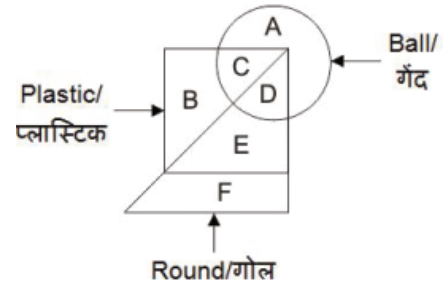
(c)



(d)

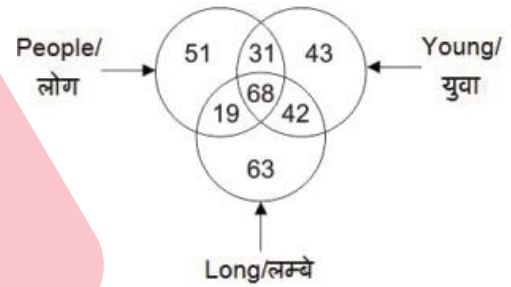


**Q10.** In the given figure, which letter represents round ball?



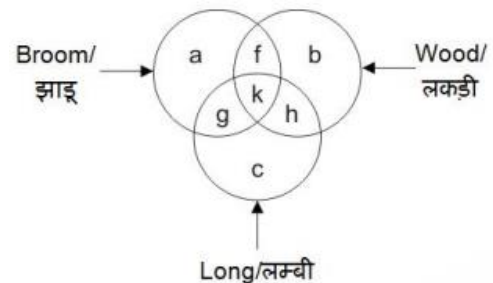
- (a) B
- (b) E
- (c) C
- (d) D

**Q11.** In the given figure, how many people are young?



- (a) 31
- (b) 68
- (c) 99
- (d) 110

**Q12.** In the given figure, which letter represents broom, which is wood but not long?



- (a) h
- (b) g
- (c) f
- (d) k

**Directions (13-17):** In the following question, select the odd word/letter/number (pair) from the given alternatives.

- Q13.** (a) Walls  
 (b) Doors  
 (c) Floor  
 (d) Foundation

- Q14.** (a) Clouds : Rain  
 (b) Injury : Pain  
 (c) Boiling : Evaporation  
 (d) Cold : Freezing

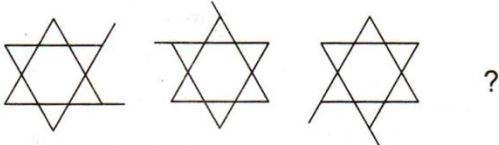
- Q15.** (a) DU  
 (b) KP  
 (c) JQ  
 (d) GT

- Q16.** (a) IM  
 (b) DH  
 (c) MS  
 (d) UY

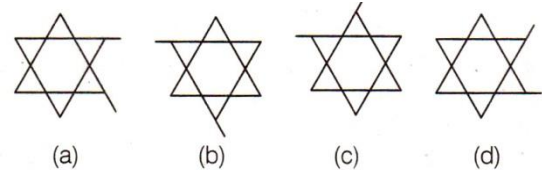
- Q17.** (a) 121 - 196  
 (b) 441 - 484  
 (c) 25 - 36  
 (d) 169 - 196

**Directions (18-22):** Each of the following questions consist of problem figures followed by answer figure. Select a figure from amongst the answer figures which will continue the same series or pattern as established by the problem figures.

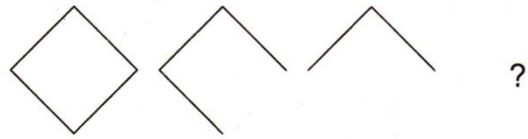
**Q18. Problem Figures**



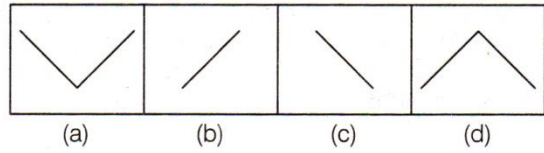
**Answer Figures**



**Q19. Problem Figures**



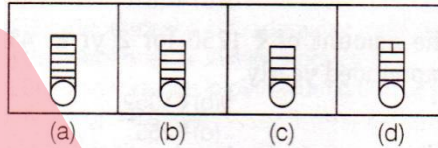
**Answer Figures**



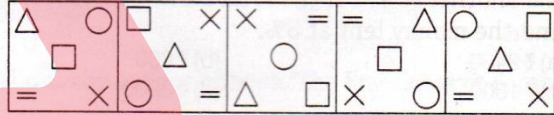
**Q20. Problem Figures**



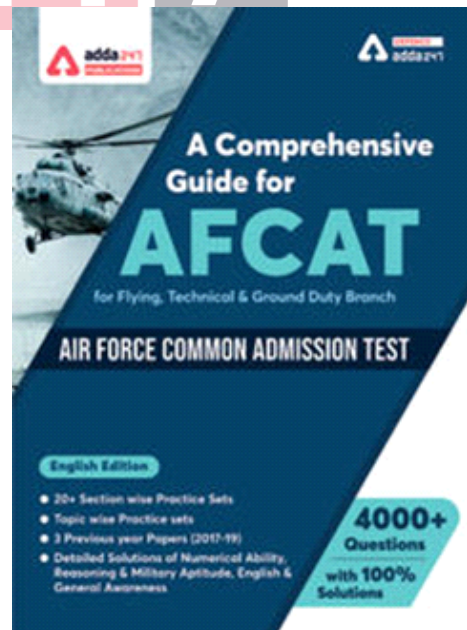
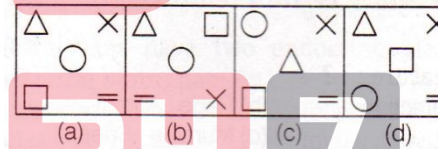
**Answer Figures**



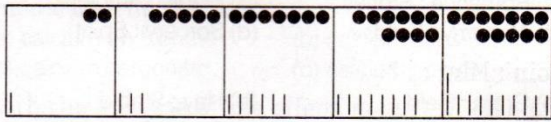
**Q21. Problem Figures**



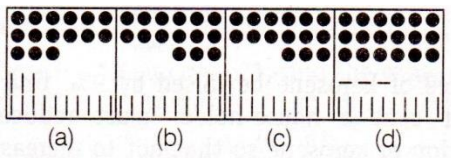
**Answer Figures**



**Q22. Problem Figures**



**Answer Figures**



**Directions (23-27):** In the following question, select the related word/number from the given alternatives.

**Q23.** Punjab : Bhangra :: Gujarat : ?

- (a) Bihu
- (b) Garba
- (c) Ghumar
- (d) Kathak

**Q24.** Weak : Feeble :: Large : ?

- (a) Strong
- (b) Insignificant
- (c) Colossal
- (d) Teeny

**Q25.** INQV : JPTZ :: HNSG : ?

- (a) IPVK
- (b) PIVK
- (c) IPKV
- (d) IRVK

**Q26.** GHIJ : HJJL :: NOPQ : ?

- (a) OQQS
- (b) OSSQ
- (c) PPRS
- (d) OQSQ

**Q27.** 6 : 216 :: 5 : ?

- (a) 125
- (b) 50
- (c) 75
- (d) 150

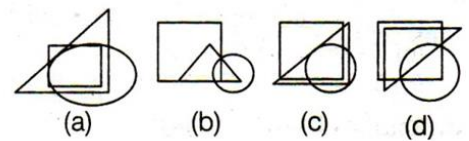
**Directions (28-32):** The following situations involve a cluster of three or more geometrical figures, having one or more dots placed at any point inside the cluster. This cluster is followed by a set of four alternative figures each composed of a cluster of the same type of figures. Now, for each dot we have to observe the region in which it is enclosed i.e., in which of the geometrical figure this region is common. From amongst the figures marked (a), (b), (c) and (d), select the figure which satisfies the same conditions of placement of the dot as in question figure.

**Q28.**

Question figure



Answer figure

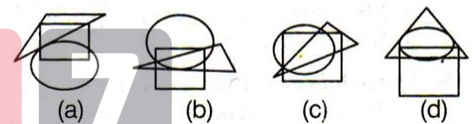


**Q29.**

Question figure

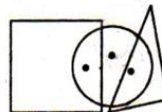


Answer figure

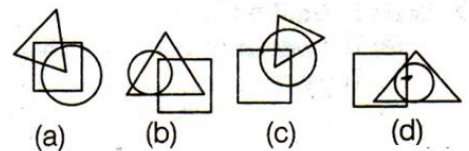


**Q30.**

Question figure

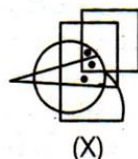


Answer figure

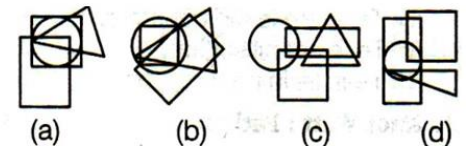


**Q31.**

Question figure



Answer figure

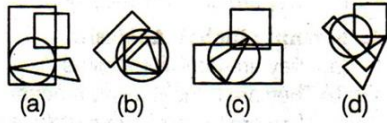


Q32.

Question figure



Answer figure



**Direction (33-37):** From the given answer figures, select the one in which the question figure is hidden/embedded.

Q33.



(a)



(b)



(c)



(d)



Q34.



(a)



(b)



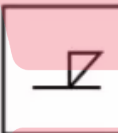
(c)



(d)



Q35.



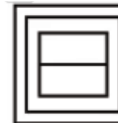
(a)



(b)



(c)



(d)





Q36.



(a)



(b)



(c)



(d)



Q37.



(a)



(b)



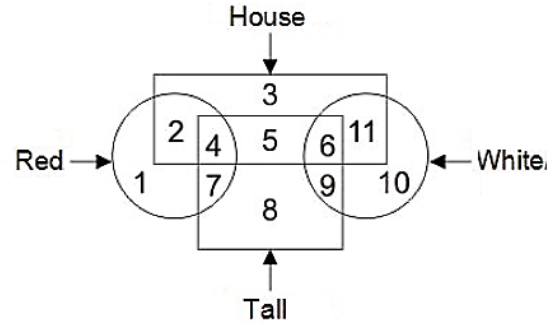
(c)



(d)

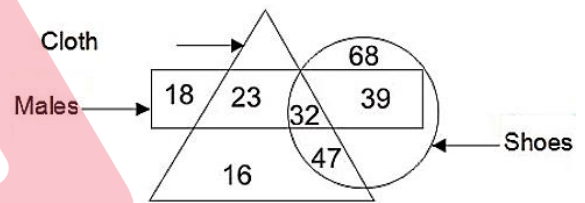


Q38. In the given figure, which number represents houses which are red and tall?



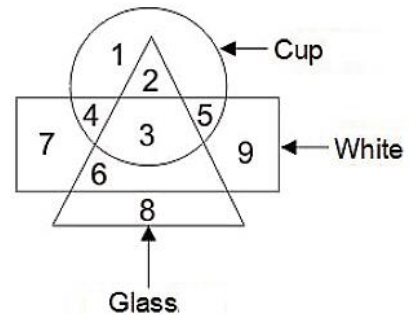
- (a) 7
- (b) 4
- (c) 8
- (d) 11

Q39. In the given figure, how many males shoes are not of clothes?



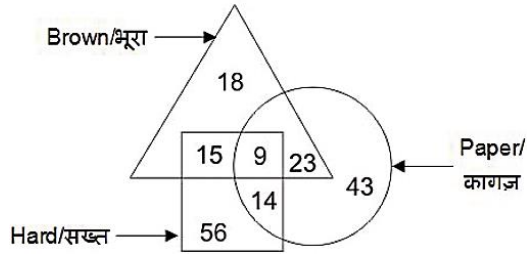
- (a) 71
- (b) 39
- (c) 79
- (d) 23

Q40. In the given figure, which number represents white glass which is not cup?



- (a) 2
- (b) 3
- (c) 6
- (d) 4

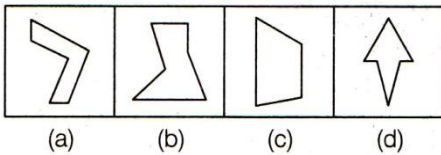
**Q41.** In the given figure, how many papers are also hard?



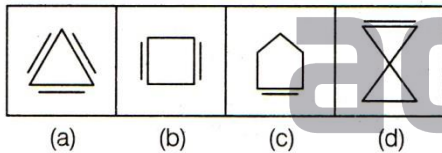
- (a) 14
- (b) 23
- (c) 37
- (d) 32

**Directions (42-45):** In the given figures find the odd figure out.

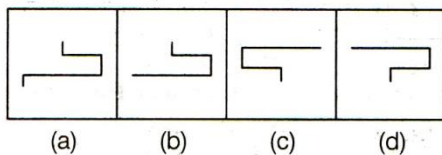
**Q42.**



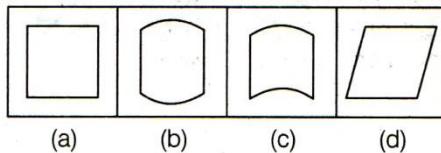
**Q43.**



**Q44.**



**Q45.**



**Directions (46-50):** In the following question from among the given alternatives select the one which is different from the other alternatives

- Q46.** (a) Mother  
(b) Grandfather  
(c) Father  
(d) Wife

- Q47.** (a) Foreward  
(b) Text  
(c) Index  
(d) Preface

- Q48.** (a) CEF G  
(b) DFG H  
(c) EGH I  
(d) XZCG

- Q49.** (a) OQTX  
(b) IMNQ  
(c) EGJN  
(d) XZCG

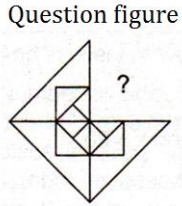
- Q50.** (a) Node  
(b) Abode  
(c) Shy  
(d) Across

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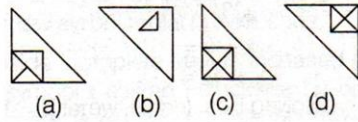


**Directions (51-55):** In each of the following questions, a part of the figure is missing. Find out from the given options (a), (b), (c) and (d), the right figure to fit in the missing question figure.

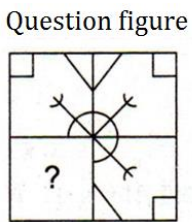
**Q51.**



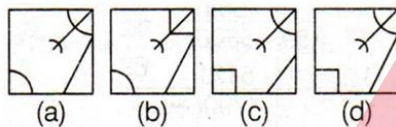
Answer figure



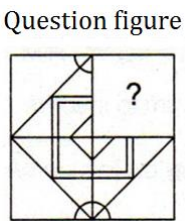
**Q52.**



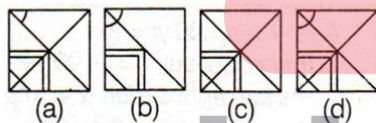
Answer figure



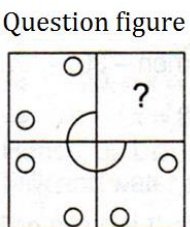
**Q53.**



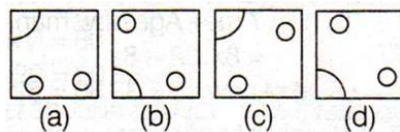
Answer figure



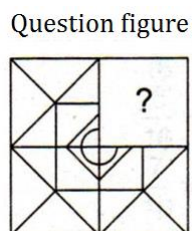
**Q54.**



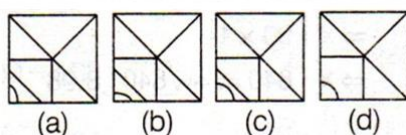
Answer figure



**Q55.**



Answer figure



**Direction (56-60)** Select the related letters/word/number from the given alternative.

**Q56.** 10 : 400 :: 15 : ?

- (a) 600
- (b) 750
- (c) 900
- (d) 1200

**Q57.** ABCD : PQRS :: ZYXW : ?

- (a) KJIH
- (b) HIJK
- (c) KJIG
- (d) HIJL

**Q58.** 27 : 65 :: 125 : ?

- (a) 216
- (b) 217
- (c) 219
- (d) 221

**Q59.** BDFH : YWUS :: GIKM : ?

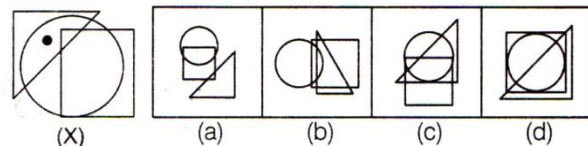
- (a) HJLN
- (b) ZXVT
- (c) TQOM
- (d) TRPN

**Q60.** FAN : 63 :: BET : ?

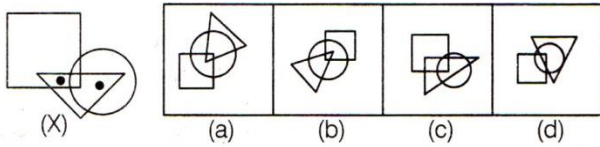
- (a) 93
- (b) 81
- (c) 54
- (d) 75

**Directions (61-64):** From amongst the figures marked (a), (b), (c) and (d), select the figure which satisfies the same conditions of placement of the dot as in figure (X).

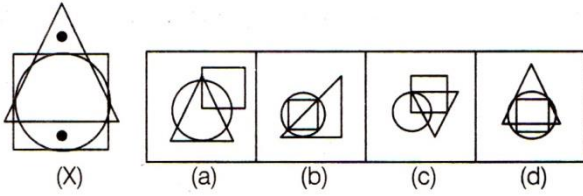
**Q61. Problem Figure Answer Figures**



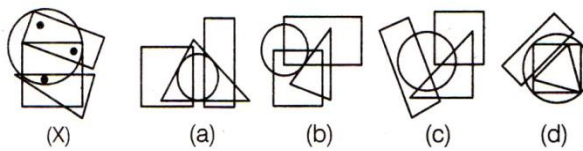
**Q62. Problem Figure Answer Figures**



**Q63. Problem Figure Answer Figures**

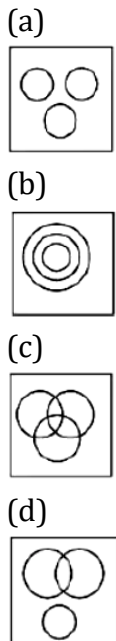


**Q64. Problem Figure Answer Figures**

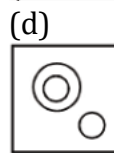
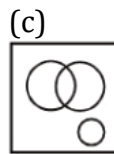
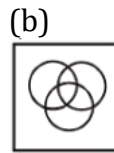
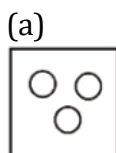


**Directions (65-68):** Identify the diagram that best represents the relationship among the given classes.

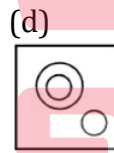
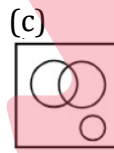
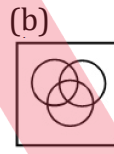
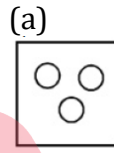
**Q65. Urban people, Educated, Hard-working**



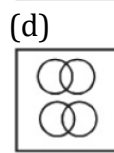
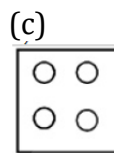
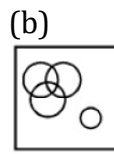
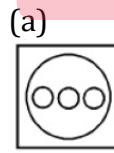
**Q66. College, University, Students**



**Q67. Girl, Singer, Politician**



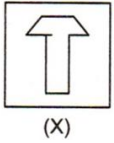
**Q68. Festival, Durga Puja, Diwali, Eid**



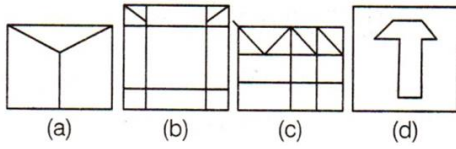
**Directions (69-73):** The original figure is embedded or hidden in one of the answer figures (a), (b), (c) and (d). Select the alternative that carries the correct figure which clearly shows the embedded portion of the original figures.

**Q69.**

Question figure

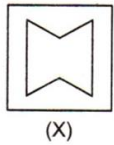


Answer figure

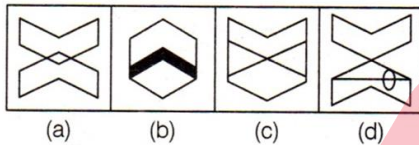


**Q70.**

Question figure

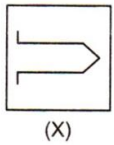


Answer figure

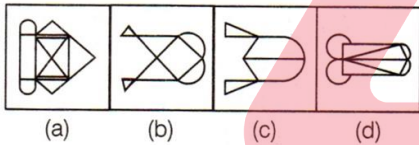


**Q71.**

Question figure



Answer figure

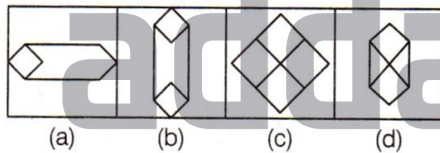


**Q72.**

Question figure

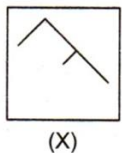


Answer figure

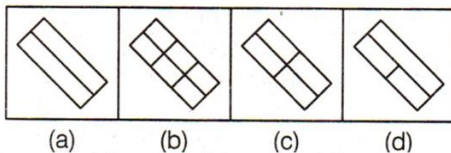


**Q73.**

Question figure



Answer figure



**Directions (74-78):** Find the odd numbers/letters /words from the given alternatives.

- Q74.** (a) Onion  
(b) Tomato  
(c) Potato  
(d) Carrot

- Q75.** (a) Stamp: Letter  
(b) Ticket : Train  
(c) Ink : pen  
(d) Car: Engine

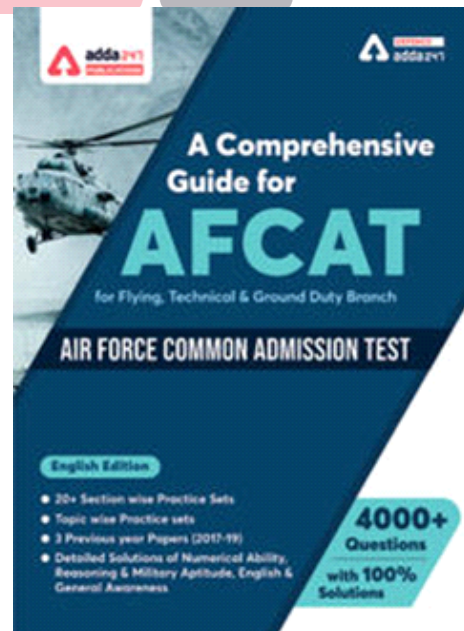
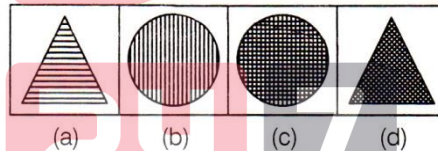
- Q76.** (a) BDGI  
(b) JLOQ  
(c) ZADF  
(d) RTWY

- Q77.** (a) AEFJ  
(b) EHIL  
(c) KOPT  
(d) UYZD

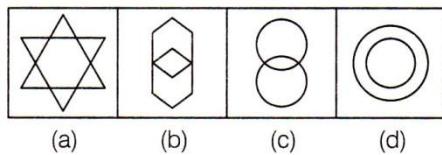
- Q78.** (a) 1  
(b) 16  
(c) 81  
(d) 243

**Directions (79-82):** In each of the following questions one of the figures is different from the rest. Spot the figure.

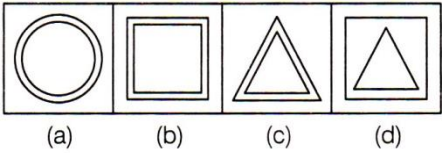
**Q79.**



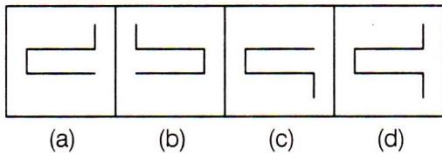
**Q80.**



**Q81.**



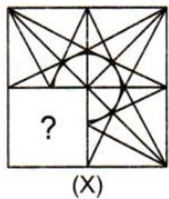
**Q82.**



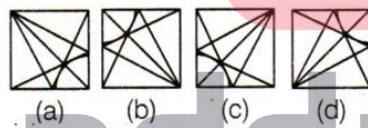
**Directions (83-87):** In each of the following questions, select a figure from amongst the four alternatives, which when placed in the blank space of figure (X) would complete the pattern.

**Q83.**

Question figure

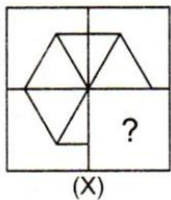


Answer figure

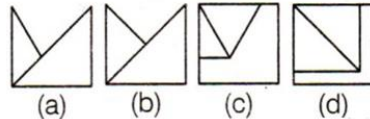


**Q84.**

Question figure

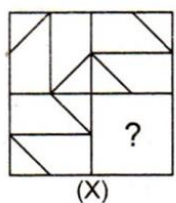


Answer figure

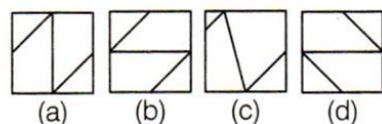


**Q85.**

Question figure

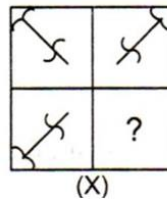


Answer figure

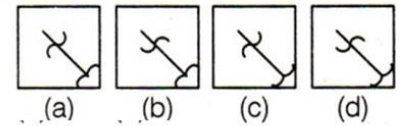


**Q86.**

Question figure

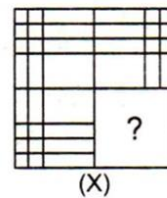


Answer figure

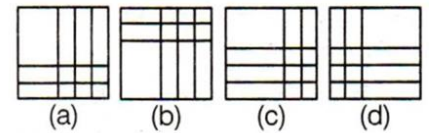


**Q87.**

Question figure



Answer figure



**Directions (88-92):** In the following questions, select the related word (pair)/ letter(s)/ number(s) from the given alternatives.

**Q88.** Smoke : Pollution :: Fire : ?

- (a) Death
- (b) Sound
- (c) Ash
- (d) Cold

**Q89.** Players : Team :: ? : ?

- (a) Car : Group
- (b) Ship : Fleet
- (c) Airplane : Flight
- (d) Pen : Heap

**Q90.** GLOR : FJLN :: TWQK : ?

- (a) SUNG
- (b) SUMG
- (c) SUGN
- (d) SUGM

**Q91.** GHI : DFH :: LMN : ?

- (a) IMK
- (b) JLM
- (c) ILM
- (d) IKM

**Q92.** 8 : 512 :: 6 : ?

- (a) 216
- (b) 312
- (c) 408
- (d) 512



**Directions (93-96):** A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

**Q93.** P, M, J, G, ?

- (a) E
- (b) C
- (c) F
- (d) D

**Q94.** AA, DB, IC, PD, ?

- (a) WF
- (b) XE
- (c) YE
- (d) WE

**Q95.** 1, 8, 29, 92, 281, ?

- (a) 567
- (b) 628
- (c) 776
- (d) 848

**Q96.** 2, 7, 22, 67, ?

- (a) 197
- (b) 198
- (c) 200
- (d) 202

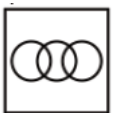
**Directions (97-100):** Identify the diagram that best represents the relationship among the given classes.

**Q97.** Yellow, Vegetables, Red Blood

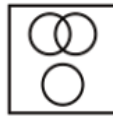
(a)



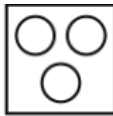
(b)



(c)



(d)



**Q98.** Lemons, Citrus fruits, Chocolates

(a)



(b)



(c)

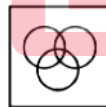


(d)

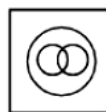


**Q99.** Cricketer, Footballer, Indian

(a)



(b)



(c)

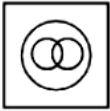


(d)

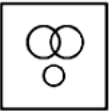


**Q100.** Graduates, Doctors, Professors

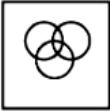
(a)



(b)



(c)



(d)



## Solutions

**S1. Ans.(d)**

**S2. Ans.(c)**

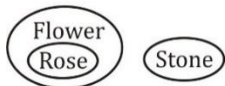
**S3. Ans.(a)**

**S4. Ans.(a)**

**S5. Ans.(b)**

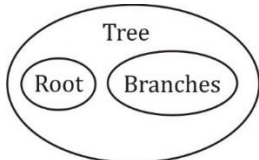
**S6. Ans.(a)**

**Sol.**



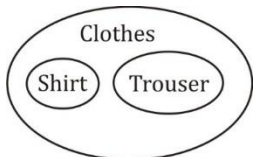
**S7. Ans.(b)**

**Sol.**



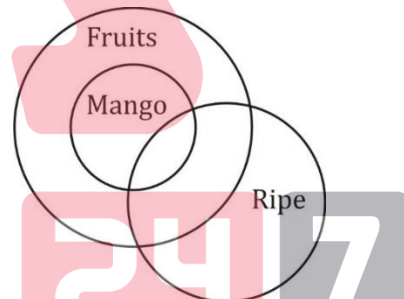
**S8. Ans.(a)**

**Sol.**



**S9. Ans.(b)**

**Sol.**



**S10. Ans.(d)**

**Sol.** D represents round ball.

**S11. Ans.(c)**

**Sol.** Young people =  $31 + 68 = 99$

**S12. Ans.(c)**

**Sol.** 'f' represents broom, which is wood but not long.

**S13. Ans.(d)**

**Sol.** Foundation is the main part or the first thing after that rest are made.



**S14. Ans.(d)**

**Sol.** First part is the cause and second part is its effect. Except in the (d) option in which 2<sup>nd</sup> one is the cause.

**S15. Ans.(a)**

**Sol.** Pair of opposite letters except DU.

**S16. Ans.(c)**

**Sol.** +4 series except MS.

**S17. Ans.(a)**

**Sol.**  $11^2 - 14^2$

$21^2 - 22^2$

$5^2 - 6^2$

$13^2 - 14^2$

**S18. Ans.(d)**

**S19. Ans.(c)**

**S20. Ans.(a)**

**S21. Ans.(a)**

**S22. Ans.(c)**

**S23. Ans.(b)**

**Sol.** Bhangra is the dance form of Punjab.  
Garba is the dance form of Gujarat.

**S24. Ans.(c)**

**Sol.**

Weak - Feeble

Large - Colossal

} Similar words

**S25. Ans.(a)**

**Sol.** +1, +2, +3, +4 series

**S26. Ans.(a)**

**Sol.** +1, +2, +1, +2 series

**S27. Ans.(a)**

**Sol.**  $6^3 = 216, 5^3 = 125$

**S28. Ans.(d)**

**S29. Ans.(b)**

**S30. Ans.(c)**

**S31. Ans.(a)**

**S32. Ans.(d)**

**S33. Ans.(b)**

**S34. Ans.(d)**

**S35. Ans.(d)**

**S36. Ans.(d)**

**S37. Ans.(c)**

**S38. Ans.(b)**

**Sol.** 4 represents houses which are red and tall.

**S39. Ans.(b)**

**Sol.** 39 male shoes are not of clothes.

**S40. Ans.(c)**

**Sol.** 6 represents white glass which is not cup.

**S41. Ans.(b)**

**Sol.** Papers which are hard =  $9 + 14 = 23$

**S42. Ans.(c)**

**S43. Ans.(d)**

**S44. Ans.(a)**

**S45. Ans.(b)**

**S46. Ans.(d)**

**S47. Ans.(b)**

**Sol.** Text is different from the other three.

**S48. Ans.(d)**

**Sol.** Except D in all others, one letter is skipped between the first two letters.

**S49. Ans.(b)**

**Sol.** Except B, +2 +3 +4 pattern is followed between the terms.

**S50. Ans.(c)**

**Sol.** all others have vowels.

**S51. Ans.(a)**

**S52. Ans.(c)**

**S53. Ans.(b)**

**S54. Ans.(b)**

**S55. Ans.(c)**

**S56. Ans.(c)**

**Sol.** 400 is the square of double of 10. So, square of double of 15 is 900.

**S57. Ans.(a)**

**Sol.** ABCD is related to ZYXW as each corresponding letter is equidistant from both ends of the alphabetical sequence. Similarly, PQRS can be related with KJIH.

**S58. Ans.(b)**

**Sol.** 27 is cube of 3, 65 is one more than cube of 4. 125 is cube of 5. So, next number is one more than cube of 6, i.e. 217.

**S59. Ans.(d)**

**Sol.** In groups BDFH and YWUS, each corresponding letter is equidistant from the extreme ends of the alphabetical sequence. Such a group for GIKM will be TRPN.

**S60. Ans.(b)**

**Sol.** 60 is the thrice of the sum of place values of F, A and N. Similarly, the thrice value of the sum of the place values of B, E and T is 81.

**S61. Ans.(c)**

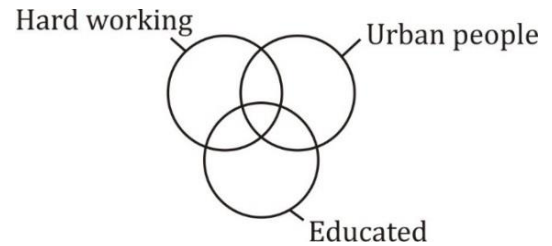
**S62. Ans.(c)**

**S63. Ans.(c)**

**S64. Ans.(d)**

**S65. Ans.(c)**

**Sol.**



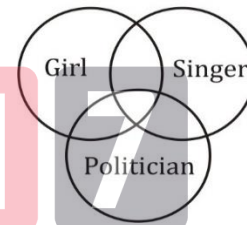
**S66. Ans.(d)**

**Sol.**



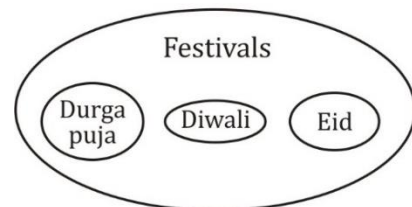
**S67. Ans.(b)**

**Sol.**



**S68. Ans.(a)**

**Sol.**



**S69. Ans.(d)**

**S70. Ans.(c)**

**S71. Ans.(a)**

S72. Ans.(b)

S73. Ans.(c)

S74. Ans.(b) Except tomato, all other are grown under the ground.

S75. Ans.(d) In all other pairs, first is essentially required to use the second.

S76. Ans.(c) In all other groups, the first and second as well as the third and fourth letters are alternate, and the third letter is three steps ahead of the second letter.

S77. Ans.(b) In all other groups, the second and fourth letters are each four steps ahead of the first and third letters respectively, while second and third letters are consecutive.

S78. Ans.(d) except 243, all other numbers are perfect squares of natural number

S79. Ans.(d)

S80. Ans.(d)

S81. Ans.(d)

S82. Ans.(d)

S83. Ans.(d)

S84. Ans.(c)

S85. Ans.(a)

S86. Ans.(d)

S87. Ans.(c)

S88. Ans.(c)

Sol. Pollution is caused by smoke  
Ash is caused by fire

S89. Ans.(b)

Sol. Group of players form Team  
Group of ships form Fleet.

S90. Ans.(a)

Sol. -1, -2, -3, -4 series

S91. Ans.(d)

Sol. -3, -2, -1 series

S92. Ans.(a)

Sol.  $8^3 = 512$

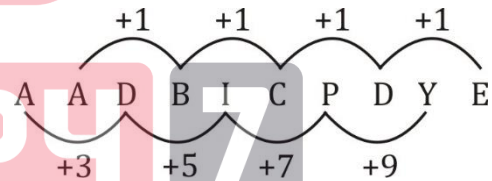
$6^3 = 216$

S93. Ans.(d)

Sol. - 3 Series

S94. Ans.(c)

Sol.



S95. Ans.(d)

Sol.  $1 \times 3 + 5 = 8$

$8 \times 3 + 5 = 29$

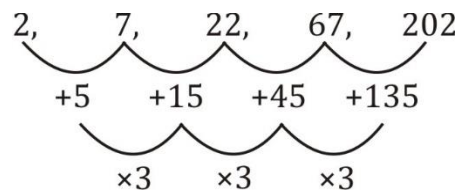
$29 \times 3 + 5 = 92$

$92 \times 3 + 5 = 281$

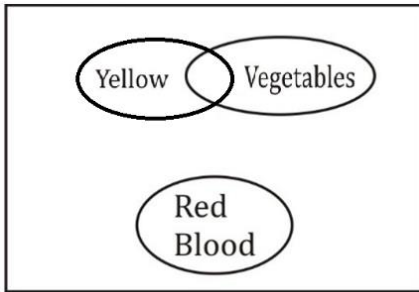
$281 \times 3 + 5 = 848$

S96. Ans.(d)

Sol.



S97. Ans.(c)  
Sol.



S98. Ans.(d)

S99. Ans.(a)

S100. Ans.(a)



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