

TELANGANA STAGE 1 2016-17**MAT****Directions Question (1 to 5):**

In the Number series given below, one Number is missing. Each series is followed by five alternatives (1), (2), (3), (4) and (5). One of them is the right answer. Identify and indicate it as per the "Instructions".

1. 5, 10, 17, 26,, 50
(1) 34 (2) 31 (3) 37 (4) 41 (5) 43
2. 2, 6, 12, 20, 30, 42, 56,,
(1) 63 (2) 67 (3) 69 (4) 72 (5) 74
3. 14, 28, 20, 40, 32, 64,,
(1) 56 (2) 46 (3) 58 (4) 48 (5) 72
4. 0, 3, 8, 15, 24,,
(1) 35 (2) 37 (3) 40 (4) 39 (5) 38
5. 12, 26, 54, 110,,
(1) 222 (2) 224 (3) 220 (4) 228 (5) 226

Questions (6 to 10) are based upon letter analogy. There are two pairs of letter combination in each question. The first (left hand side) pair has some relationship between its members. In the second pair, one member is missing. Find this out from answers (1), (2), (3), (4) and (5) such that this pair has similar relationship as the first pair. Indicate your answer as per the "Instructions".

6. LKJ : MNO :: DCB : ?
(1) FEG (2) EGF (3) FGH (4) EFG (5) FGE
7. ADGJ : BEHK :: KNQT : ?
(1) LOPS (2) LMRU (3) LORU (4) LMPS (5) LNQT
8. HJLN : PRTV :: BDFH : ?
(1) JKOR (2) JMOR (3) JLNP (4) JMNP (5) JKOP
9. QSUW : XZBD :: BDFH : ?
(1) IMOK (2) IMKO (3) IKMO (4) HKMO (5) JKMO
10. DRIVEN : NEVIRD :: BEGUM : ?
(1) EBGUM (2) MUGEB (3) MEUBG (4) UGMEB (5) EBGUM

Directions: Questions (11 to 15) : In the following questions, letters/letter groups are arranged in a particular order with some underlying criterion. Study the order and choose the answer from the alternatives to fill the gaps.

11. YVP, WTN, URL,,
(1) TQL (2) SRJ (3) SPJ (4) TRJ (5) TPJ
12. QPO, NML, KJI, HGF,,
(1) ECD (2) CEG (3) CDE (4) CEF (5) EDC
13. AB, DEF, HIJK,, STUVWX
(1) MNOPQ (2) LMNOP (3) LMNO (4) MNOP (5) QRSTU
14. GTB, CYV, YDP,, QND
(1) DIV (2) UIJ (3) DDV (4) UVV (5) VJK
15. KJAM, GGWJ,, YAOD, UXKA
(1) CDUI (2) DFTC (3) CDTF (4) CDSG (5) DEVG

TELANGANA STAGE 1 2016-17

Directions Questions (16 to 20) :

In each of the following questions, five words are given. Four of them are alike in some way. One is different from them. Identify it and indicate as per "Instructions".

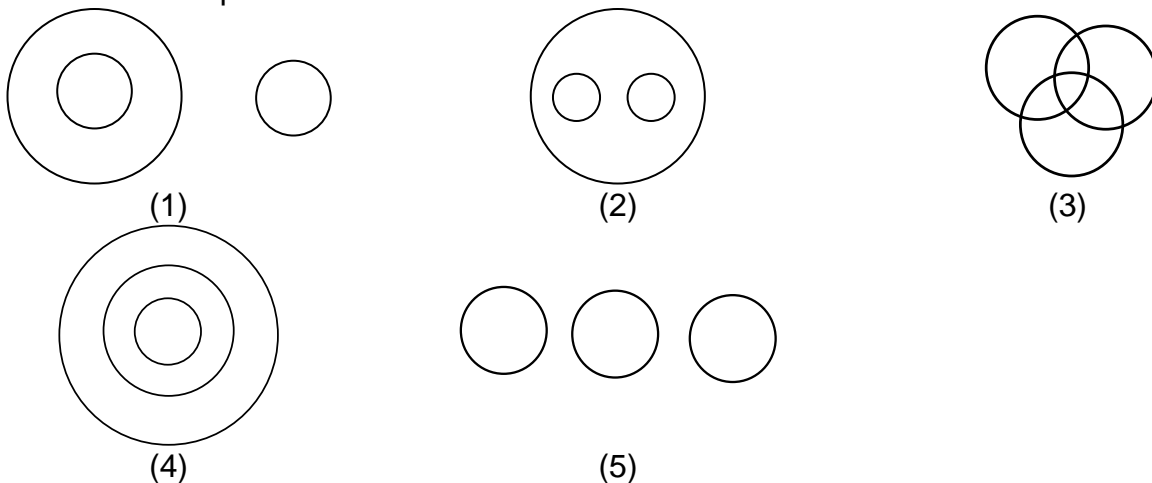
16. (1) Asia (2) Europe (3) Antarctica (4) Africa
(5) Austria
17. (1) Brazil (2) Bangladesh (3) China (4) Cambodia
(5) Mangolia
18. (1) Hyderabad (2) Itanagar (3) Patna (4) Mysore
(5) Trivandram
19. (1) Hard disk (2) Monitor (3) Keyboard (4) Mouse
(5) Windows XP
20. (1) Spider (2) Butterfly (3) Cockroach (4) Mosquito
(5) Housefly

Directions Questions (21 to 25) : In these questions there is a certain relationship between two words on one side of ::, and only one word is given on the other side of ::, The missing word is to be found out from the given alternatives (1), (2), (3), (4) and (5), so that the relationship is the same as for the other pair. Identify the correct answer and indicate it as per "Instructions".

21. French : France :: Dutch:?
(1) Holland (2) Norway (3) Fiji (4) Sweden
(5) Denmark
22. India : Mango :: New Zealand: ?
(1) Apple (2) Pineapple (3) Kiwi (4) Grapes
(5) Strawberry
23. Player : Coach :: Pupil : ?
(1) Word (2) Teacher (3) Class (4) School
(5) Education
24. The Race of My Life : Milkha Singh :: The Test of My Life : ?
(1) Gandhi (2) Yuvraj Singh
(3) Sachin Tendulkar (4) Kapil Dev (5) Ricky Ponting
25. TRS : CAR :: SAMAJWADI PARTY : ?
(1) Bow and Arrow (2) Elephant (3) Arrow (4) Bicycle
(5) Rising Sun

Directions:

Questions (26 to 30) are based on the following diagrams. Study them carefully and indicate correct answer as per "Instructions."



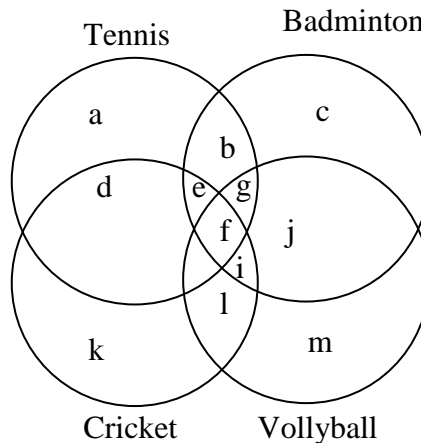
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TELANGANA STAGE 1 2016-17

26. Doctor, Patient, Human being
27. Sparrows, Crows, Eagles
28. Artists, Singers, Women
29. Hour, Minutes, Seconds.
30. Yak, Zebra, Bear

Directions Questions (31 to 35):

With the help of the given diagram, answer the following questions making the right choice from the given alternatives. Indicate the answer as per "Instructions".



31. Which letter represents the set of persons who play all the games?
 (1) e (2) g (3) f (4) h (5) i
32. Which letter represents the set of persons who play tennis and badminton only?
 (1) a (2) b (3) c (4) e (5) g
33. Which letter represents the set of persons who play only cricket?
 (1) d (2) h (3) k (4) l (5) f
34. Which letter represents the set of persons who play all the other three games except cricket?
 (1) e (2) b (3) j (4) g (5) i
35. Which letter represents the set of persons who play tennis, badminton and cricket but not volleyball?
 (1) a (2) b (3) c (4) e (5) g

Directions Questions (36 to 38) : If in certain language CHARCOAL is coded as 45164913 and MORALE is coded as 296137, how are the following words coded? Identify the right answers and indicate it as per the "Instructions".

36. REAL
 (1) 6713 (2) 6513 (3) 6719 (4) 6519 (5) 6715
37. COACH
 (1) 49148 (2) 48246 (3) 49145 (4) 49246 (5) 49146
38. COLLER
 (1) 397758 (2) 497758 (3) 483359 (4) 493376 (5) 395576

TELANGANA STAGE 1 2016-17

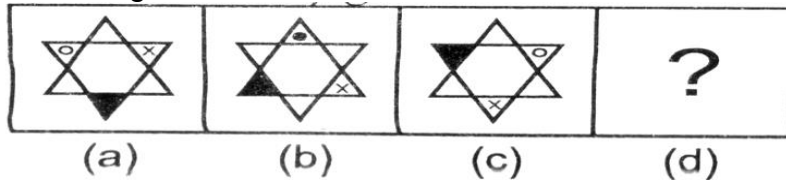
Directions Questions (39 to 42): are based on simple arithmetic principles. Find the right answer from the alternatives and indicate it as per the "Instructions".

39. If $\sqrt{625} = 25$, then value of $16 \times \sqrt{0.000625}$ equal to.....
 (1) 0.040 (2) 0.004 (3) 0.400 (4) 4.000
 (5) None of these
40. $1 + \frac{2}{1 + \frac{2}{1 + \frac{4}{1 + \frac{5}{5}}}} = \dots$
 (1) $\frac{7}{4}$ (2) $\frac{4}{7}$ (3) $\frac{7}{5}$ (4) $\frac{3}{7}$ (5) $\frac{5}{7}$
41. $\frac{0.125 + 0.027}{0.5 \times 0.5 + 0.09 - 0.15}$ is equal to.....
 (1) 1 (2) 0.8 (3) 0.08 (4) 0.2 (5) 0.88
42. If $\frac{x}{4} - \frac{x-3}{6} = 1$, then $x = \dots$
 (1) 1 (2) 3 (3) 4 (4) 6 (5) 2

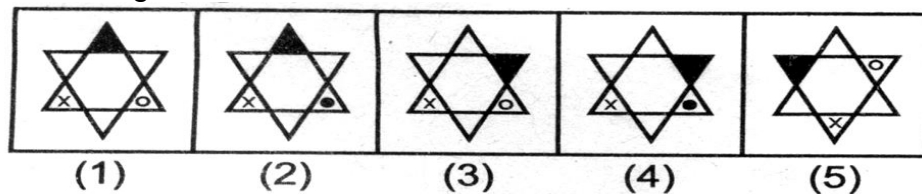
Directions Questions (43 to 46):

Each question has four problem figures a, b, c, and d. Figure 'd' has only a question mark '?'
 Figure 'b' bears certain relationship to 'a', similarly one of the answer figures bears similar relationship to 'c'. Find out and indicate it as per "Instructions."

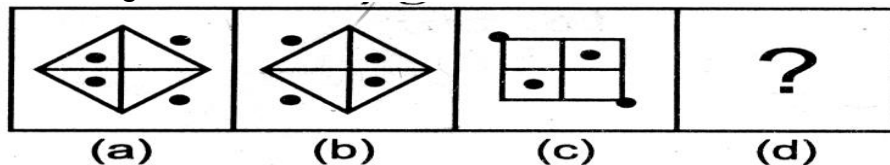
43. Problem figures



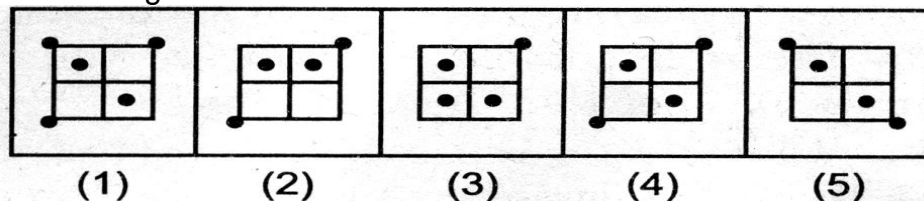
Answers figures



44. Problem figures

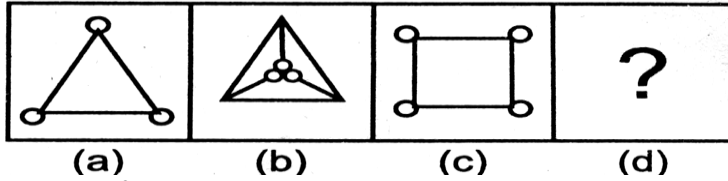


Answers figures

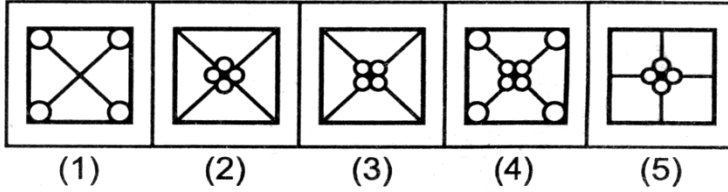


TELANGANA STAGE 1 2016-17

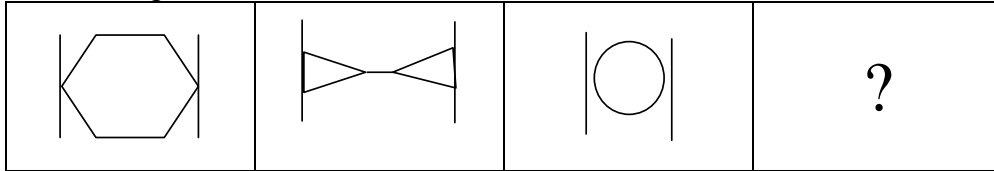
45. Problem figures



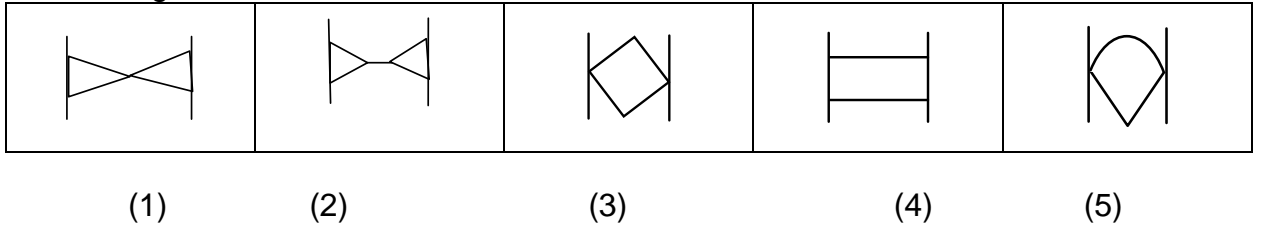
Answers figures



46. Problem figures

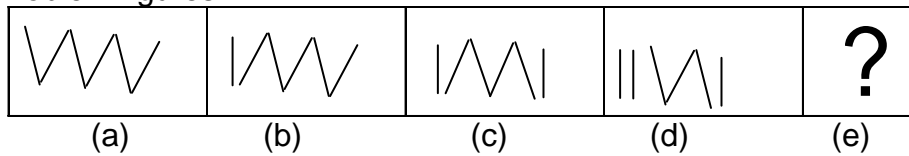


Answers figures

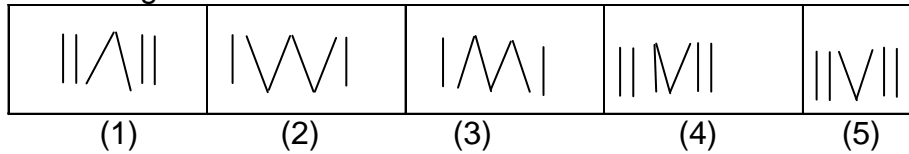


Direction Questions (47 to 50) : In these questions, there are five problem figures (a), (b), (c), (d) and (e). Figure in (e) is, however, missing. You have to select one figure from the five answer figures (1), (2), (3), (4) and (5) such that the series is completed. Indicate your answer as per the "Instructions"

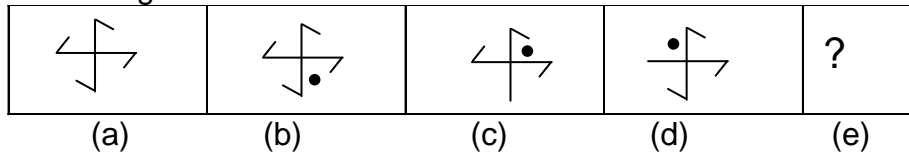
47. Problem figures



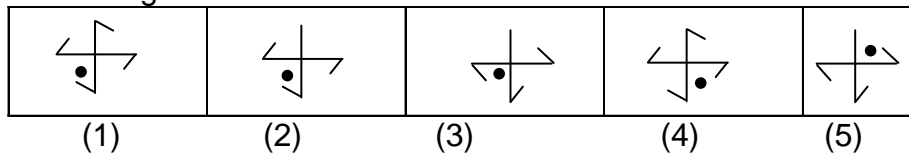
Answers figures



48. Problem figures

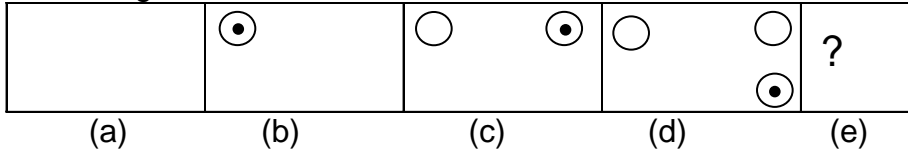


Answers figures

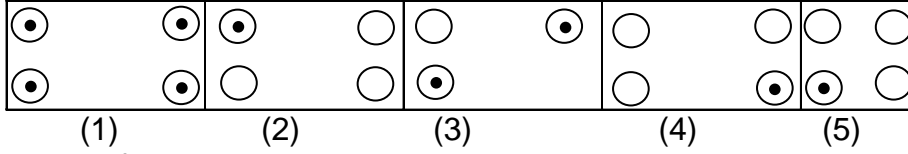


TELANGANA STAGE 1 2016-17

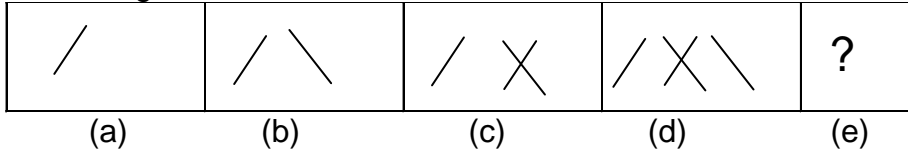
49. Problem figures



Answers figures



50. Problem figures



Answers figures

