# Chapter - 2

## ODD ONE OUT

## Previous Year Questions

In below questions find out the odd numbers/letters/number pairs from the given alternatives.

1.  (a) 3            (b) 15
    (c) 12           (d) 19
2.  (a) Widow        (b) Spinster
    (c) Wife         (d) Bachelor
3.  (a) E            (b) B
    (c) O            (d) I
4.  (a) SPPG         (b) EPOF
    (c) HBJO         (d) KVNM
5.  (a) Enzyme       (b) Anode
    (c) Motion       (d) Pressure
6.  (a) 1857         (b) 1919
    (c) 1909         (d) 1943
7.  (a) ABCD         (b) EFGH
    (c) WXYZ         (d) PRSQ
8.  (a) Divergent Production
    (b) Cognition
    (c) Forgetting
    (d) Possessive
9.  (a) Fantasy      (b) Disgust
    (c) Distress     (d) Sorrow
10. (a) 217          (b) 730
    (c) 567          (d) 126
11. (a) Shimla       (b) Darjeeling
    (c) Ooty         (d) Agra
12. (a) Foal         (b) Hen
    (c) Lamb         (d) Leveret
13. (a) BADC         (b) XWZY
    (c) VUST         (d) NMPO
14. (a) DCFG         (b) FEHI
    (c) JILM         (d) HGJL
15. (a) (5,64)       (b) (2,3)
    (c) (3,8)        (d) (4,27)
16. (a) (96,24)      (b) (39,18)
    (c) (81,54)      (d) (82,64)
17. (a) Purple       (b) Rosy
    (c) Blue         (d) Red
18. (a) Scurvy       (b) Rickets
    (c) Night-blindness (d) Influenza
19. (a) Rain         (b) Shower
    (c) Sleet        (d) Raisin
20. (a) 9            (b) 12
    (c) 4            (d) 25
21. (a) 36           (b) 61
    (c) 18           (d) 52
22. (a) Rival        (b) Opponet
    (c) Foe          (d) Ally
23. (a) 27           (b) 35
    (c) 18           (d) 9
24. (a) 9-72         (b) 8-56
    (c) 11-115       (d) 10-90
25. (a) TUVX         (b) OPRS
    (c) BCDF         (d) HIJL
26. (a) Bay          (b) Cape
    (c) Peninsula    (d) Island
27. (a) Arabic       (b) Malayalam
    (c) Intelligence (d) Chinese
28. (a) Square       (b) Trapezium
    (c) Cylinder     (d) Parallelogram
29. (a) Yacht        (b) Submarine
    (c) Boat         (d) Ship
30. (a) 2012         (b) 1998
    (c) 2005         (d) 1997
31. (a) MIGE         (b) XTQO
    (c) RNKI         (d) HDAY
32. (a) 42 : 4       (b) 48 : 6
    (c) 32 : 2       (d) 15 : 5
33. (a) VWY          (b) QRT
    (c) LMO          (d) JKL
34. (a) B E          (b) G J
    (c) N Q          (d) Q R

35. (a) 400      (b) 484
     (c) 625      (d) 728

36. (a) 1000      (b) 1725
     (c) 2744      (d) 4125

37. (a) 12-16      (b) 45-80
     (c) 30-40      (d) 36-48

38. (a) CX      (b) DW
     (c) JQ      (d) LR

39. (a) Cyclotron      (b) Basic
     (c) Pascal      (d) Fortran

40. (a) Rooster      (b) Buck
     (c) Gander      (d) Peahen

41. (a) PNB      (b) OBC
     (c) Dena Bank      (d) RBI

42. (a) Teaching      (b) Counselling
     (c) Instruction      (d) Guidance

43. (a) (25,49)      (b) (121,169)
     (c) (7,169)      (d) (9,25)

44. (a) HEAT      (b) MEAT
     (c) MEET      (d) BEAT

45. (a) 8395      (b) 7245
     (c) 6322      (d) 8246

46. (a) FhjL      (b) PrtV
     (c) KnpR      (d) Cegi

47. (a) Table Tennis      (b) Cricket
     (c) Volleyball      (d) Football

48. (a) Andhra pradesh      (b) Maharashtra
     (c) Kerala      (d) Rajasthan

49. (a) 284      (b) 263
     (c) 195      (d) 242

50. (a) 7 : 98      (b) 9 : 162
     (c) 12 : 288      (d) 17 : 572

51. (a) 3 : 00      (b) 9 : 00
     (c) 12 : 30      (d) 6 : 15

52. (a) Nana Shahib      (b) Bakht Khan
     (c) Tatya tope      (d) Bahadur Shah III

53. (a) mmmqqqttt      (b) bbbfffjjj
     (c) cccgggkkk      (d) kkkooosss

54. (a) brass      (b) steel
     (c) bronze      (d) tin

55. (a) Ears      (b) Eyes
     (c) Legs      (d) throat

56. (a) Sparrow      (b) Kingfisher
     (c) Nightingle      (d) Bat

57. (a) (1,2,4,5)      (b) (6,7,14,15)
     (c) (4,5,10,15)      (d) (3,4,8,9)

58. (a) Shirt : Dress      (b) Boy : Girl
     (c) Mango : Fruit      (d) Table : Furniture

59. (a) Downing Street      (b) White House
     (c) Kremlin      (d) Kirribilli House

60. (a) Race course road      (b) Akbar Bhavan
     (c) Hyderabad house      (d) Raj Bhawan

## Practice Set Solutions

1. (b); Except option second PSVX doesn't follows increment of letters by 3 place.

2. (c); The second alphabet is immediate previous letter of 1st alphabet. In option (c) it is just reverse.

3. (b); IFH, YVX and EBD are follow same format, that from first alphabet decrement of 3 place value and from second alphabet increment of 2 place value.

4. (d); IIMP does not follow second alphabet to third alphabet consecutive sequence.

5. (d); All three options sun, moon, mars, are present in universe.

6. (b); Faraday, Newton and Edison are scientist and Beethoven is a singer.

7. (d); Inch, foot and yard are measurement unit of length but quart is unit of volume.

8. (d); All except valley is related to hill field or elevated feature.

9. (b); Except in P K Q I, in all others there are two Pairs of opposite letters.

     N → M             O → L
     R → I              S → H
     T → G             U → F

10. (a); Writer, publisher and reporter are related to publication field and reader is used for a person.

11. (d); All except Oasis related to sea and oasis is related to desert.

12. (d); Carrot, potato, ginger grow underground but cabbage grow above the ground.

13. (b); Except in YGLHT, in all others the third letter is written in small letter

14. (b); Cheras, pallaras and cholas related to southern part of India and chandelas are related to northern India.

15. (a); 66 – 56 = 10   101 – 90 = 11
        41 – 30 = 11    33 – 22 = 11

16. (d); All except option (d), 1st object is part of 2nd object. But engine related to car, not car related to engine.

17. (c); All except option (c), 2nd object is head or main officer of the group.

18. (b); Except cat, all others belong to dog family.

19. (c); In each of pairs except (c), the product of the number is 168. Hence the answer is (c).

20. (c); In each of the alternatives except (c), the number inside it is greater than other two. Hence the answer is (c).

21. (d); All except option (d), the sum of all digit is 21.

22. (b); In each of the alternatives except (b), 2nd one is capital of first one.

23. (c); All except (c), first object is currency of second object.

24. (b); In each of alternative except (b), are name of games.

25. (d); Except Beans, all others are grains (cereals and coarse cereals)

26. (d); In each of alternatives except (d), from first letter to second letter increase by two of place value and 3rd letter is opposite of 2nd letter.

27. (d); All except (d), having middle letter a vowel.

28. (d); In each of alternatives except (d), reverse of given word also a meaningful word.

29. (c); All except option (c), middle digits is the average of place values of first and last letter.

30. (a); Except the number 63, all other numbers are perfect squares.

31. (d); All except option (d) are meaningful words in reverse order.

32. (c); In each of alternative except (c), are on digit less forming a square.

33. (c); All except option (c), the multiplication of first and second digit is third digit.

34. (d); In each of alternatives except option (d) the combination of 2-2 digit are perfect square in given number.

35. (b); All except 730, every number is divisible by digit 3.

36. (c); All except 49, every number is prime No.

37. (d); All except 7206, every number is a perfect square.

38. (c); In each of all alternative except option (c), the number is shown the number of alphabets present between given two alphabets.

39. (d); Except June, every month contain 31 days.

40. (a); Except 4-11-70, in all others the small number is a factor of the other two numbers.

41. (c); Agni Prithvi and Nag are name of Indian missile and INS term used for Naval Army.

42. (a); NIA, RAW and IB are investigation agency of India and CRPF is a part of police force.

43. (b); All except option (b), all rivers belong to the ancient India.

44. (c); All except option '3' the difference of both pair is 11.

45. (b); 55 – 55  13 – 31  46 – 64  26 – 61
        Odd one

46. (d); $9\frac{1}{11} = \frac{100}{11}$, $7\frac{9}{13} = \frac{100}{13}$, $5\frac{5}{17} = \frac{100}{17}$

    $5\frac{6}{19} = \frac{101}{19}$ odd one.

47. (c); In the given option except 'C' first there are fuel and then are vehicles run with them but fire produces smoke.

48. (b); All except sword are related to bullet.

49. (a); 55×5=275, 15×15=225, 5×45=225, 9×25=225

50. (d); 'A' is odd because all others are consonant while 'A' is vowel.

51. (d); The other three dynasties belonged to North India, while Cholas were the rulers in south India.

52. (d); The other three are internal air ways, while Air India flies abroad also.

53. (c); The other three states/UTs are near sea beach or an island(s) in the sea.

54. (d); 'The other three are the colours of rainbow.

55. (a); Here in the three options, the first and the third and the second and the fouth letters of alphabet are in a consecutive order.

56. (b); All the rest reflect the positive qualities of human being while Guilty reflects his negative quality.

57. (c); The other 3 numbers are prime numbers.

58. (a); One who works in garden is called gardener. All other are Artforms

59. (a); Except Tabla, all others are stringed musical-instruments.

60. (b); Except wave, all others are different forms of energy

61. (d); Classification denotes grouping

62. (c); Except HOLDS, if letters of all others words are written in reverse order, we will get another meaningful words.
    POT → TOP ; TAB → BAT ; LEVEL → LEVEL

63. (c); Z $\xrightarrow{-2}$ X ; T $\xrightarrow{-2}$ R ; I $\xrightarrow{-3}$ F ; O $\xrightarrow{-2}$ M

64. (a); Except in the number pair 94-7 in all other we get the second number by dividing the first number by 7.

65. (d); Except church - Monument, in all other pairs of words two related terms are give.

66. (c); Except Dissident, all other words imply positive attitude.

67. (a); $A \xrightarrow{+3} D \xrightarrow{+3} G \xrightarrow{+3} J$

$P \xrightarrow{+3} S \xrightarrow{+3} V \xrightarrow{+2} X$

$N \xrightarrow{+3} Q \xrightarrow{+3} T \xrightarrow{+2} V$

$C \xrightarrow{+3} F \xrightarrow{+3} I \xrightarrow{+2} K$

68. (b); $64 = 4^3$, $343 = 7^3$, $1000 = 10^3$

69. (a); $D \xrightarrow{+5} I$ ; $K \xrightarrow{+6} Q$

$O \xrightarrow{+6} U$ ; $A \xrightarrow{+6} G$

70. (c); Except in the pair of words Head-cap, in all others the two words are antonym to each other

71. (c); Except office, all others are stationery items

72. (c); $d \xrightarrow{-1} c \xrightarrow{-1} b \xrightarrow{-1} a$

$h \xrightarrow{-1} g \xrightarrow{-1} f \xrightarrow{-1} e$

$p \xrightarrow{+1} q \xrightarrow{+1} r \xrightarrow{+1} s$

$r \xrightarrow{-1} q \xrightarrow{-1} p \xrightarrow{-1} o$

73. (c); $B \xrightarrow{+4} F \xrightarrow{+4} J \xrightarrow{+4} N$

$D \xrightarrow{+4} H \xrightarrow{+4} L \xrightarrow{+4} P$

$G \xrightarrow{+2} I \xrightarrow{+4} M \xrightarrow{+4} Q$

$H \xrightarrow{+4} L \xrightarrow{+4} P \xrightarrow{+4} T$

74. (c); $37 \times 2 = 74$, $26 \times 2 = 52$, $44 \times 2 = 88$
But $47 \times 2 = 94$

75. (d); Except Urdu, all others are indigenous languages, Urdu was developed from Persian (a foreign language).

76. (c); Salary is given in lieu of work. All others are types of investment.

77. (d); Except in cloth-skirt, in all others work and worker relationship has been shown.

78. (d); $B \xrightarrow{-1} A \xrightarrow{+3} D \xrightarrow{-1} C$

$J \xrightarrow{-1} I \xrightarrow{+3} L \xrightarrow{-1} K$

$N \xrightarrow{-1} M \xrightarrow{+3} P \xrightarrow{-1} O$

$V \xrightarrow{-1} U \xrightarrow{+2} W \xrightarrow{+1} X$

79. (c); Except 698, others are multiples of 7

$\frac{357}{7} = 51$ ; $\frac{581}{7} = 83$ ; $\frac{784}{7} = 112$

But $\frac{698}{7} = 99.71$

80. (a); Except the number 206, all other numbers are perfect cubes.
$5^3 = 125$, $3^3 = 27$ ; $2^3 = 8$

81. (b); Except 256 all digit's last digit is sum of first two digit.

82. (b); Aravali, Shivalik and Nilgiri Hills are present in India and Mole Hills is a conical mound of loose soil.

83. (a); The number 27 is a perfect cube $3 \times 3 \times 3 = 27$

Note :- The number 67 may also be odd as it is a prime Number.

84. (c); $5 \times 2 - 2 = 10 - 2 = 8$

$17 \times 2 - 2 = 34 - 2 = 32$

$21 \times 2 - 2 = 42 - 2 = 40$

But $19 \times 2 - 2 = 38 - 2 = 36$

85 (a); In each of alternatives except (a), first letter is big letter as compared to second and they are opposite to each other.

86. (d); All except 11.5 number every alternatives follow a rule that is (number × 1.5 + 1.5) for example
$5 \times 1.5 + 1.5 = 9$

87. (a); Except Stethoscope all others are such scientific instruments that are used to view distant or small objects.

88. (b); Except Terene, all others are natural fibres.

89. (d);
R  G  T  F     M  L  O  K   (+2, −1)

C  T  E  S     V  D  Z  C   (+2/+4, −1)

90. (c); U Z D G I $\xrightarrow{+5\ +4\ +3\ +2}$ , J O S V X $\xrightarrow{+5\ +4\ +3\ +2}$

R W A C E $\xrightarrow{+5\ +4\ +2\ +2}$    F K O R T $\xrightarrow{+5\ +4\ +3\ +2}$

91. (c); Radiation is different from the other three All other words show convergence.

92. (d); Except driver, all others are artisans who make something.

93. (c); $M \xrightarrow{+6} S \xrightarrow{+4} W \xrightarrow{+6} C \xrightarrow{+5} H$

$N \xrightarrow{+5} S \xrightarrow{+4} W \xrightarrow{+4} A \xrightarrow{+7} H$

$G \xrightarrow{+6} M \xrightarrow{+5} R \xrightarrow{+4} V \xrightarrow{+3} Y$

$U \xrightarrow{+5} Z \xrightarrow{+5} E \xrightarrow{+4} I \xrightarrow{+3} L$

94. (c); $E \xrightarrow{+2} G \xrightarrow{+4} K \xrightarrow{+6} Q$

$C \xrightarrow{+2} E \xrightarrow{+4} I \xrightarrow{+6} O$

$L \xrightarrow{+2} N \xrightarrow{+3} Q \xrightarrow{+6} W$

$P \xrightarrow{+2} R \xrightarrow{+4} V \xrightarrow{+6} B$

95. (b); In the number pair 483-15, both the number are multiples of 3

$$\frac{483}{3} = 161 \; ; \; \frac{15}{3} = 5$$

96. (d); Mendicant, Ascetic and Hermit are synonyms given the meaning of a beggar, and pious related to devoutly religious.

97. (d); Cotton, ore and Latex are used to manufacture other things and fabrics is last stage of manufacturing process.

98. (b); All the rest affect nerves while cataract affects eyes.

99. (b); $8 + 1 = 9$ ;     $4 + 5 = 9$
    $1 + 1 + 7 = 9$ ;     $9 + 9 = 18 \rightarrow 1 + 8 = 9$
    $1 + 3 + 5 = 9$ ;     $1 + 2 + 6 = 9$
    But, $7 + 2 = 9$ ;     $9 + 1 = 10$

100. (d); $20 \xrightarrow{-4} 16 \xrightarrow{+2} 18$
    $18 \xrightarrow{-4} 14 \xrightarrow{+2} 16$
    $16 \xrightarrow{-4} 12 \xrightarrow{+2} 14$
    $14 \xrightarrow{-3} 11 \xrightarrow{+2} 13$

## Previous Year Solutions

1. (d); All alternatives except (d) are divisible by 3.
2. (d); All alternatives except (d) are used for a female candidate.
3. (b); B is not a vowel and remain option are vowel.
4. (d); All except option (d), each alternatives words decrease by 1 place value then it will be a meaningful word.
5. (a); All except option (a), are used in physics.
6. (d); All except 1943, every year shown a movement of Indian history.
7. (d); Each of alternatives option follow consecutive letter except PRSQ.
8. (a); Cognition, forgetting and possessive are part of human feeling rather divergent production is type of production.
9. (a); Disgust, distress and sorrow are part of difficult time and fantasy is imagination. Hence the answer is (a).
10. (c); In each alternatives are one digit extra from a perfect cube except 567. Hence, answer is (c).
11. (d); All except option (d) are hill station.
12. (b); All except option (b) is young one of a mammal.
13. (c); Each alternatives, except option (c) are follow a particular sequence of –1, +3, –1 in each alphabet.
14. (d); All except option (d) doesn't follow the sequence from first alphabet as –1, +3, +1.
15. (b); In each of alternatives except option (b) every second number is cube of previous digit from first number.
16. (d); All except option (d), each set number's sum is divisible by 3.
17. (b); Rosy is not the part of the spectrum.
18. (d); All except option (d), are disease due to deficiency of vitamins.
19. (d); All except option (d) are related to rain.
20. (b); Except 12, all numbers are square.
21. (a); 36 is a perfect square of 6.
22. (d); All except ally, each option, are synonyms of enemy.
23. (b); All except 35, are multipliers of digit 9.
24. (c); In each of alternatives except of (c), every second number is multiplication of first number and their previous number.
25. (b); All except OPRS, each alternatives follow increment sequence as +1, +1, +1 and +2
26. (b); All except cape, are places which are surrounded with water and related to sea.
27. (c); All except option (c) are the languages.
28. (c); Square, trapezium parallelogram are having 4 sides. Hence, option (c) is a 3-D figure.
29. (b); Except submarine, all moves in upper surface of water but submarine can move under the water also.
30. (a); All except option (a), every year is a general year and 2012 is a leap year.
31. (a); In each of alternatives except option (a), follow a sequence of –4, –3, –2.
32. (a); All except option (a), the first digit is exactly divisible by second digit.
33. (d); In each of alternatives except (d) are follow a sequence of +1 and +2.
34. (d); All except (d) are having increment of digit 3 in their place value.
35. (d); All except 728 are perfect square.
36. (c); All except 2744 number. All numbers are divisible by 25.
37. (b); In each of alternatives except (b), are having exact 3rd and 4th multiplier of a fixed number. for example.
    $4 \times 3 = 12$ ,      $4 \times 4 = 16$
    $10 \times 3 = 30$      $10 \times 4 = 40$
    $12 \times 3 = 36$,      $12 \times 4 = 48$.

38. (d); All option (d), alphabets are opposite to each other.

39. (a); Basic pascal and Fortran are computer language rather cyclotron not a language. Hence answer is (a).

40. (b); Rooster, gander and Peathen all are related as a male Bird but buck is a mammal.

41. (d); RBI is the central bank.

42. (a); In each of alternatives except teaching, are connected to a same field.

43. (c); All except option (c), every set numbers are exact squares.

44. (c); In option (c), two letter are repeated.

45. (d); All except option (d), each alternatives have difference of 1st and last digit's square in the middle.

46. (c); All except option (c), there is common semantics follow as a sequence of +2, in all alphabets.

47. (a); All except Table Tennis, games are outdoor games. So answer is (a).

48. (d); Andra Pradesh Maharashtra and Kerala are coastal states but Rajasthan doesn't have any boundary with sea.

49. (c); In each of alternatives except option (c), middle digit is multiplication of first and last number.

50. (d); All except option (d) alternatives second number is totally divisible by first number.

51. (c); All expect 12 : 30, the angle between minute hand and hour hand is right angle. Hence, answer is (c).

52. (d); All except Bahadur shah III, these all are related to 1857 Revolution.

53. (a); In each of alternatives every main letter having only four alphabetic place value difference, except option (a). Doesnot follow it.

54. (d); All except tin other are combination of two metals. Hence, option (d) is answer.

55. (d); All except throat are outer parts of our body. Throat is inner part of our body.

56. (d); Bat is a mammal.

57. (c); All except option (c), each alternatives second digit is one extra from first digit, third digit is just double of second digit and last digit is one extra from third digit.

58. (b); In each of alternatives first object is a part of second object which is shown the field of first one. except option (b).

59. (d); In except kirribilli house, are name of president house of the country, rather than kirribilli house of Australian prime minister.

60. (d); Raj Bhawan is situated in west Bengal and race course road, Akbar Bhavan and hyderabad house are situated in new delhi.