

CLASSIFICATION ODD MAN OUT

Assignment-1

1. d; Except 125, all are representing a square
2. c; Except 225, all are representing a square of prime number.
3. d; Except 255, all are representing 5 multiple of prime number.
4. d; Except 289, all are representing a cube number
5. d; Except 216, all are representing a cube of prime number .
6. b; Except 21, all are representing prime number.
7. d; Except 47, all are representing in the form of (a^2+1)
8. b;

$$6 \quad 10 \quad 30 \quad 56$$
$$3 \times 2 \quad 5 \times 2 \quad 6 \times 5 \quad 8 \times 7$$

Except 10, all are multiple of consecutive number.

9. b Except 6, all are divisible by 9.
10. d; Except 1574, all are divisible by 4.
11. c;

$$150 \quad 203 \quad \boxed{264} \quad 333$$
$$12^2+6 \quad 14^2+7 \quad 16^2+8 \quad 18^2+9$$

264 is the right answer instead of 110.

12. ()

13. a;

$$50 \quad 65 \quad 101 \quad 226$$
$$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$$
$$7^2+1 \quad 8^2+1 \quad 10^2+1 \quad 15^2+1$$

Except 50, all are not representing a square of prime number

14. d; 1342 2210 10 126
- $$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$$
- $$11^3+11 \quad 13^3+13 \quad 2^3+2 \quad 5^3+1$$

Except 126, all are representing in the form of (a^3+a)

15. d; 23 1315 1719 3137
- $$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$$
- $$3^3-2^2 \quad 11^3-4^2 \quad 12^3-3^2 \quad 15^3-38$$

Except 3137, all are representing in the same form.

16. c; $\begin{matrix} 396 & 120 & 272 & 80 \\ 20^2-2^2 & 11^2-1^2 & 16^2+4^2 & 9^2-1^2 \end{matrix}$

Except 272, all are representing in the form of (x^2-y^2)

17. ()

18. c; Except 464, all are divisible by 3.

19. a; Except 125, all are representing a square

20. d; $\begin{matrix} 343 & 729 & 125 & 1000 \\ 7^3 & 9^3 & 5^3 & 10^3 \end{matrix}$

Except 1000, all are representing a cube of odd number.

21. c; Except $11 + \sqrt{121}$, all are representing in the form of $a + \sqrt{a^3}$

22. ()

23. d; $\begin{matrix} 2:9 & 5:49 & 7:121 & 13:225 \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 2:3^2 & 5:7^2 & 7:11^2 & 13:15^2 \end{matrix}$

Except $13:15^2$, all are representing a square of prime number.

24. c;

$\begin{matrix} 8:64 & 64:216 & 512:729 & 216:512 \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 2^3:4^3 & 4^3:6^3 & 8^3:9^3 & 6^3:8^3 \end{matrix}$

Except $8^3:9^3$, all are representing a cube of alternate consecutive number.

25. a;

$\begin{matrix} 12:39 & 11:25 & 7:17 & 14:31 \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 12:12 \times 2 + 15 & 11:11 \times 2 + 3 & 7:7 \times 2 + 3 & 14:14 \times 2 + 3 \end{matrix}$

Except 12:39, all are representing in the form of $(a : a \times 2 + 3)$

26. Except 23:29, all are representing alternate prime number.

27. b;

$\begin{matrix} \frac{5}{130} & \frac{6}{42} & \frac{7}{350} & \frac{8}{520} \\ \downarrow & \downarrow & \downarrow & \downarrow \\ \frac{1}{26} & \frac{1}{7} & \frac{1}{50} & \frac{1}{65} \end{matrix}$

except $\frac{6}{42}$, all fractions denominators are representing composite number.

28. b; Except 145, all are representing in the form of (a^2-1)

29. a; Except 378, all are representing odd number.

30. a; Except 1661, a;; are divisible by 3.

31. c;

5:10	10:26	50:120	290:362
$2^2+1^2:3^2+1^2$	$3^3+1^2:5^2+1^2$	$7^2+1^2:11^2-1^2$	$17^2+1^2:19^2+1^2$

32. d; Except 1010, all are divisible by 3

33. a; Except 336, all are not divisible by 3

34. b; Binary numbers are

10	100	11	111
↑	↑	↑	↑
2	4	3	7

Except 100, all are binary number of prime number

35. a; Binary numbers are

1000	1001	10000	11001
↑	↑	↑	↑
8	9	16	25

Except 8, all are representing a square number

36. d; Binary numbers are

11	101	111	1001
↑	↑	↑	↑
3	5	7	9

Except 1001, all are binary number of prime number

37. b; Except 49, all are not square of prime number.

38. d; Except 1010, all are divisible by 100

39. a; except 68, all are representing a cube number

40. d; Except 42, all are divisible by 8

41. c;

5 6 5	1 8 7	9 8 3	7 2 7
↓	↓	↓	↓
5+6+5	1+8+7	9+8+3	7+2+7
↓	↓	↓	↓
16	16	20	16

sum total of all digit is 16, except 983.

42. a;

$$\begin{array}{cccc} \underline{416} & \underline{5125} & \underline{6216} & \underline{9729} \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 4 \cdot 4^2 & 5 \cdot 5^3 & 6 \cdot 6^3 & 9 \cdot 9^3 \end{array}$$

Except 416, all are representing in the form of $(a \cdot a^3)$

43. b;

$$\begin{array}{cccc} 56 & \boxed{156} & 182 & 306 \\ 7^2+7 & 12^2+12 & 13^2+13 & 17^2+17 \end{array}$$

Except 156, all are representing prime number in the form of (a^2+a)

44. a;

$$\begin{array}{cccc} 2:6 & 13:182 & 5:120 & 9:720 \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 1:3 & 1:14 & 1:24 & 1:80 \end{array}$$

3 is a prime number except all.

45. c;

$$\begin{array}{cccc} 1:12 & 3:36 & 5:150 & 4:48 \\ 1:12 & 1:12 & 1:30 & 1:12 \end{array}$$

46. d

$$\begin{array}{cccc} 13 \& 10 & 15 \& 26 & 17 \& 52 & 21 \& 5 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ & +2 & +2 & +4 & & & & \end{array}$$

10, 26, 52 are representing even number while 5 is a odd number.

47. b; Except 135, all are divisible by 7

48. a;

$$\begin{array}{cccc} 143 & 77 & 221 & 21 \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 12^2-1^2 & 9^2-2^2 & 15^2-2^2 & 5^2-2^2 \end{array}$$

49. d; Except 10, all are representing prime number

50. b; Except 4, all are representing prime number.

51. a; Except 13 & 19, all are consecutive prime number

52. c;

$$\begin{array}{cccc} 5 * 125 & 7 * 343 & 11 * 121 & 13 * 2197 \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 5 * 5^3 & 7 * 7^3 & 11 * 11^2 & 13 * 13^3 \end{array}$$

Except $11 * 11^2$, all are representing in the form of $(a * a^3)$

53. b; Except 38, all are divisible by 3

54. d; except 54, all are divisible by 4.

55. b;

9	25	217	513
↓	↓	↓	↓
2^3+1	5^2	6^3+1	8^3+1

Except 25, all are representing in the form of (a^3+1)

56. d; Except 10010, all are not a binary number

57. b; The difference between two numbers are

17 : 4	19 : 6	19 : 2	23 : 4
└──┬──┘	└──┬──┘	└──┬──┘	└──┬──┘
13	13	17	19

Here 13 is replace by 15.

58. c;

343	2197	3375	125
↓	↓	↓	↓
7^3	13^3	15^3	5^3

Except 3375, all are representing cube of prime number.

59. ()

60. d;

8	27	125	256
↓	↓	↓	↓
2^3	3^3	5^3	16^2

Except 256, all are representing a cube number.

61. b; Except c, all are representing vowel.

62. d; Except A, all are representing consonant

63. d;

G	E	C	I
↓	↓	↓	↓
7	5	3	9

Except I, all are representing prime number.

64. c;

M	S	W	Q
↓	↓	↓	↓
13	19	23	17
↓	↓	↓	↓
$1+3$	$1+9$	$2+3$	$1+7$
↓	↓	↓	↓
4	10	5	8

∴ 5 is a prime number except all.

65. c;

U	D	I	P
↓	↓	↓	↓
22	4	9	16

∴ 9 is a odd number except all.

66. b;

K	Z	G	C
↓	↓	↓	↓
11	26	7	3

∴ Except 26, all are representing prime number

67. b;

AB	PF	TN	EF
↓	↓	↓	↓
1+2	16+2	20+14	5+6
↓	↓	↓	↓
3	22	34	11
↓	↓	↓	↓
3	2+2	3+4	1+1
↓	↓	↓	↓
3	4	7	2

∴ Except 4, all are representing prime number.

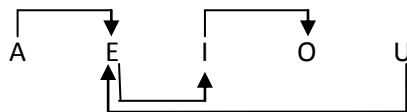
68. c;

G	J	M	P	K	R	C	F
+3		+3		+7		+3	

∴ Except KR, all are representing same difference between letter.

69. d;

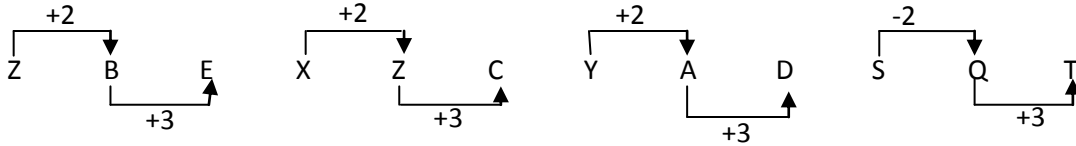
AE	IO	EI	UE
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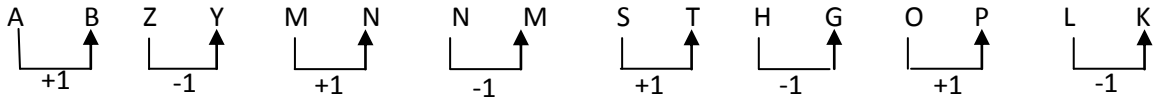
70. c;

BD	ET	AA	DP
↓	↓	↓	↓
2+4	5+20	1+1	4+16
↓	↓	↓	↓
6	25	2	20

77. d;



78. b;



MN NM letter exchange except all.

79. d;

A A B	B D F	E J L	C F H
↓	↓	↓	↓
1+1+2	2+4+6	5+10+12	3+6+8
↓	↓	↓	↓
4	12	27	17

17 is a prime number except all.

80. b;

B C E G	G K M S	Q S W C	C E G K
2 3 5 7	7 11 13 19	17 19 23 29	3 5 7 11

Here 19 should be replaced by 17.

81. a;

B C = E	C D = L	C E = O	E D = T
↓	↓	↓	↓
2 × 3 = 6	3 × 4 = 12	3 × 5 = 15	5 × 4 = 20

BC=E is the one because it's product 2 × 3=6(F) instead of 5(E)

82. d;

CAT=24	MAT=34	RAT=39	COT=39
3+1+20=24	13+1+20=34	18+1+20=39	3+15+20=38

The sum total of COT is 38 instead of 39.

83. C;

A B = E	C D = Y	E A = Y	B C = M
1 ² +2 ² =5	3 ² +4 ² =25	5 ² +1 ² =26	2 ² +3 ² =13

The sum of square in option C is 26 but Y's place value is 25, So Y should be replaced by Z.

84. b; 1M3 1Q8 1S9 1K1
 (M=13) (Q=17) (S=19) (K=11)

Q's place value is 17 instead of 18.

85. b; 2 D 2 3 H 3 4 H 4 5 J 5
 2+2=4 3+3=6 4+4=8 5+5=10
 ↓ ↓ ↓ ↓
 D H H J

Here H should be replaced by F

86. d; 5 Y 5 4 P 4 3 I 3 6 L 6
 5 × 5 = 25 4 × 4 = 16 3 × 3 = 9 6 × 6 = 36
 ↓ ↓ ↓ ↓
 Y P I L

Except L, all are representing correct place value

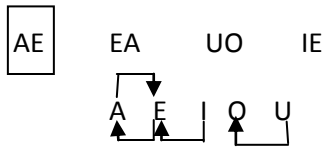
87. b;

2A6 2V4 2F1 1M4

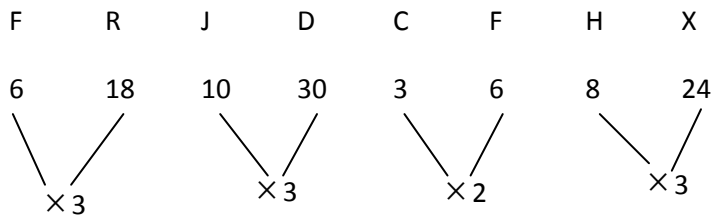
A=26 V=24 F=21 M=14

Except V, all are representing Reverse order place value

88. a;



89. c;



90. a;

B C H J M N K M
 ↓ ↓ ↓ ↓
 2+3 8+10 13+14 11+13
 ↓ ↓ ↓ ↓
 5 18 27 24

5 is a prime number except all.

91. c;

ABC CDE KLM GHI

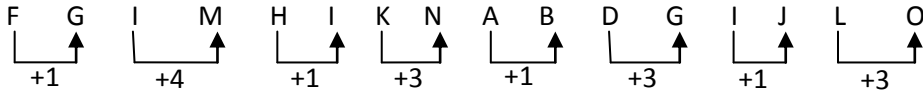
Letters are given in Alphabetical order. So KLM should be replaced by EFG.

92. ()

93. c; M A N=25 P A T=34 G I R L=50 C A N E=19
 13+1+14=28 16+1+20 7+9+18+12=46 3+1+14+5=23

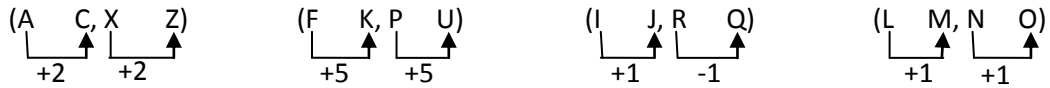
Sum total of letters are more than result except GIRL=50, because it's sum total is less than result.

94. a;



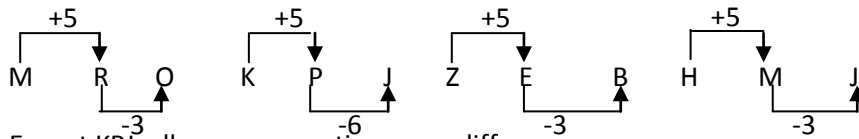
Except FGIM, all are representing same difference.

95. c;



Except (IJ, RQ), all are representing increasing alphabetical order.

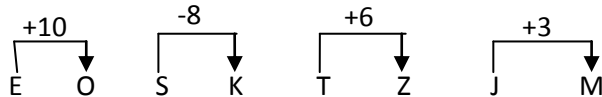
96. b;



Except KPJ, all are representing same difference.

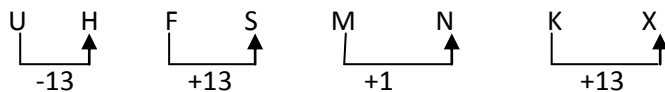
97. ()

98. b;



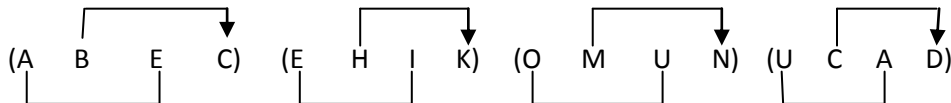
Except SK, all are representing increasing alphabetical order.

99. c;



Except MN, all are representing same difference between letter.

100. b;



Vowel → A E I O U

101. b; Except Gold, all are representing stone.

102. c;

103. d; Only sun have own ray.

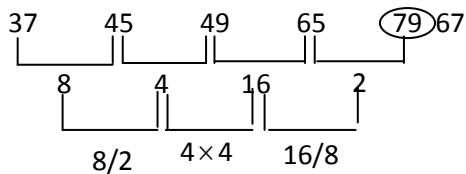
104. b; Light is common from all other option.

105. d; Except foot, all are representing part of face
106. c; Except wall, all others options are international system of unit.
107. a; the odd one is chocolate because it is a food item.
108. b; Except chain, all are using in hand.
109. d; Carbon dioxide is a odorless gas except all.
110. a; Except kilometer, all others are apparatus to measure something.
111. d; R A C N B H
 $18+1+3+14+2+8=46$
 L N P A T
 $12+14+16+1+20=36$
 A F L E
 $1+6+12+5=24$
 W R O F E R L
 $23+18+15+6+5+18+12=97$
 97 is a prime number except all.
112. b; Except LWAK, all are representing two vowel.
113. a O H T M R E
 $15+8+20+13+18+5=79$
 I N E E C
 $9+14+5+5+3=36$
 N C U E L
 $14+3+21+5+12=55$
 S S T I R E
 $19+19+20+9+18+5=90$
 79 is a prime number except all.
114. a; O B O K
 $15+2+15+11=43$
 N P E
 $14+16+5=35$
 A L C H K
 $1+12+3+8+11=35$
 I P C N L E
 $9+16+3+14+12+5=49$
 43 is a prime number except all.
115. d; Second is the kid of first except Uncle : Niece
116. c; Second is the kid of first except Horse : Pussy.
117. d; Except cattle, all are refer to a group.
118. c; Except Half, all are representing preposition
119. b; Voda is a mobile network company except all.
120. d; Terlin is a polymer except all.

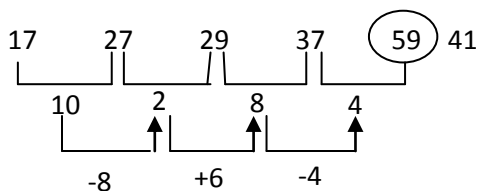
Assignment-2

1. b; all except Quay are parts of ship.
2. All except ground nut are species.
3. b; All except papaya are vegetables, while papaya is a fruit.
4. e; all except fox are domestic animal, while fox is a wild animal.
5. a; Except feeling, all are the part of feelings
6. a; Except chicken, all are living in water.
7. d; All except minister are chessmen.
8. b; All others are parts of a tree.
9. b; Except Hammer, all are having sharp edged and cutting action.
10. a; Except cot, all are parts of bed spread.
11. c; Except think , all are physical activities.
12. d; Except watermelon, all are growing on trees while watermelon grows on creepers.
13. e; All except universe from a part of the universe.
14. c; All except Bear belong to the tiger family.
15. e; all except chalk are obtained from crops.
16. d; All except whale lay eggs.
17. e; Orange is the only citrus fruit in the group.
18. e; Except Giraffe, all other animals having small necks.
19. c; except Brass, all are metals, while Brass is an alloy.
20. a; Except apple, all are flowers.
21. b; Except peel, all are used to make food.
22. c; Except marble, all are different type of stones using to make jewellery, while marble is using for construction work.
23. e, Except wood, all are parts of wood.
24. b; All except horse are carnivorous animals, while horse is herbivorous.
25. c; Radish is only the vegetable which grows underground.
26. c; Diameter is only means for circle and others are belongs to a group i.e square, rectangle etc.
27. e; Except Austria, all are from different continent.
28. d; Dispur is only the capital of a state except all.
29. a; Except x-ray, all are means of mass media.
30. a; Except saucer, all things are used for containing liquid substances, while saucer is a small, round dish that you put a cup on.
31. c; All except knowledge are part of activities.
32. b; All except hammer have a pointed end.
33. e; Potato is the only vegetable in the group which grows underground.
34. b; All except spider are flying insects.
35. e; Snake is the only poisonous animal in the group.
36. e; All except wheat are Kharif or Summer crops, while wheat is a rabi crop.
37. a; Except Bullock, all are animals, while Bullock is an organ of a young ball.

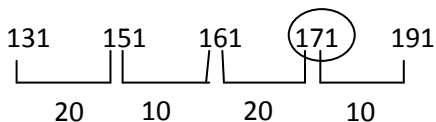
38. e; All except Deer are carnivorous animals, while deer is herbivorous.
39. c; Except Zebra, all are carnivorous.
40. b; All except chilli are modified stems.
41. e; all except onion are used to extract oil.
42. d; Pea is a vegetable except all.
43. a; Except manure, all ingredients are present in soil.
44. a; All except Iron are very volatile
45. c; All except Trivial describe the physical size of object.
46. a; Except white: Dirty, all others are antonyms.
47. c; Except slow: Sluggish, all others are antonyms.
48. e; Except Earthen pots: Clay, second is the product which obtained from the first.
49. d; Except Genuine: Real, all others are antonyms.
50. b; Except Man: Garage, Second is the living place of the first.
51. c; Except 290, all are divisible by '4'.
52. e; We use 255 instead of 257
 15, 63, 143, 195, 257, 255
 Logic $\rightarrow 4^2-1, 8^2-1, 12^2-1, 14^2-1, 16^2-1$
53. e; We use 401 instead of 399.
 Logic $\rightarrow 145, 197, 257, 325, 399, 401$
 $12^2+1, 14^2+1, 16^2+1, 18^2+1, 20^2+1$
54. e; We use 67 instead of 79



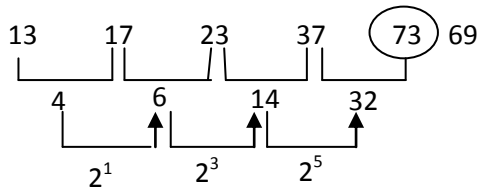
55. e; We use 173 instead of 147.
56. e; We use 41 instead of 59



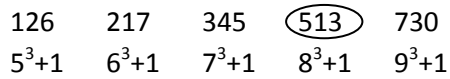
57. a; 48 50 82 170 290
 (7^2-1) (7^2+1) (9^2+1) (13^2+1) (17^2+1)
58. d; We use 181 instead of 171



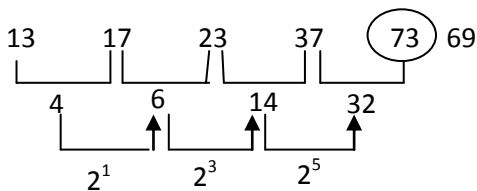
59. e; We use 69 instead of 73



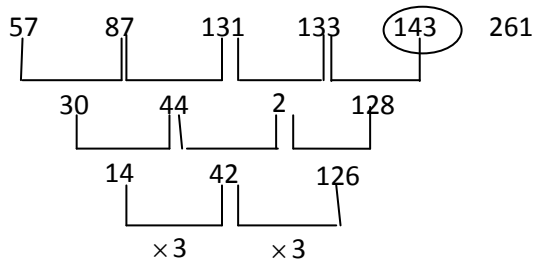
60. c; We use 344 instead of 345



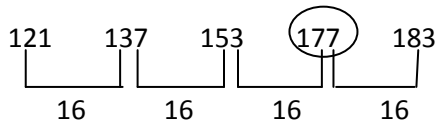
61. e; Use 69 instead of 73 (REPEAT Q. 59)



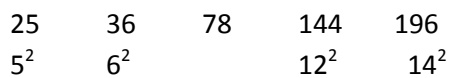
62. e; We use 261 instead of 143



63. d; We use 169 instead of 177

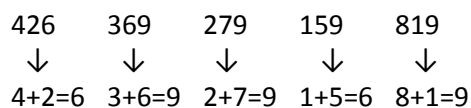


64. c; Except 78, all are representing the square



65. e; Except 195, all are divisible by 2

66. d; We use 156 instead of 159



67. d; 26 124 728 64 215
 3^3-1 5^3-1 9^3-1 4^3 6^3-1

68. ()

69. c; Except 63, all are representing prime number.

70. d; Except 667, sum of number is 20

Logic $\rightarrow 488 \rightarrow 4+8+8=20$

$929 \rightarrow 9+2+9=20$

$776 \rightarrow 7+7+6=20$

$667 \rightarrow 6+6+7=19$

$668 \rightarrow 6+6+8=20$

71. d; Except 110, all others are not divisible by 5.

72. d; Except 525, all are representing a cube number

 125 216 729 525 343
 5^3 6^3 9^3 7^3

73. e; Except 32, all are divisible by 6.

74. d; Except 19, all are representing composite number.

75. d; Except 288, all are representing a square number.

 144 169 256 288 324
 12^2 13^2 16^2 18^2

76. e; Except 144, all are representing a cube number

 8 27 64 125 144
 2^3 3^3 4^3 5^3 12^2

77. d; Except 15, all are representing prime number.

78. a; '0' does not belongs to natural number.

79. d; 24 16 56 128
 2^1 2^2 2^4 2^7

80. c; 64 144 168 196 256
 8^2 12^2 14^2 16^2

81. a; Except 11:123, all are in form of (a^2+1)

82. b;

 12:7 20:12 36:19 28:15 56:29
 $\frac{12}{2}+1:7$ $\frac{36}{2}+1:19$ $\frac{28}{2}+1:15$ $\frac{56}{2}+1:29$

83. e; Except 3:24, are others are not multiplies.

84. e; Except 25:12, all others are divisible by an individual digit.

85. d; Except 28:68, all others are not divisible by 2.

86. b; All are same difference except NQ



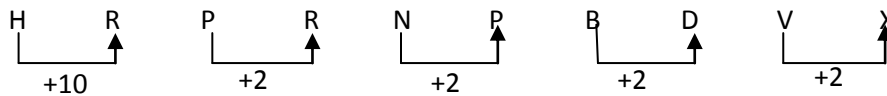
87. a



88. b;



89. a;



90. b;

H	Q	T	Z	D
↓	↓	↓	↓	↓
8	17	20	26	4

Q's place value is a prime number except all.

91. d; Difference between two letter

G and E=1

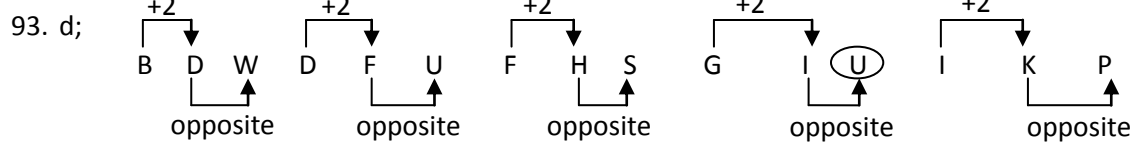
M and K=1

W and Y=1

Q and N=2 3

E and C=1

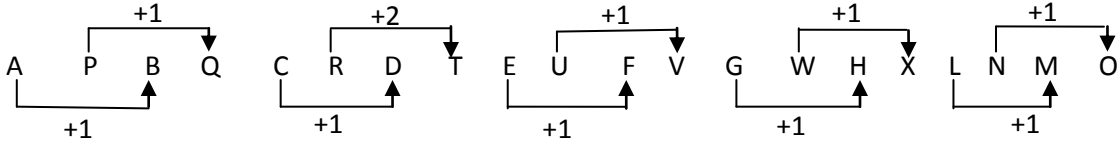
92. e; Opposite coding system.



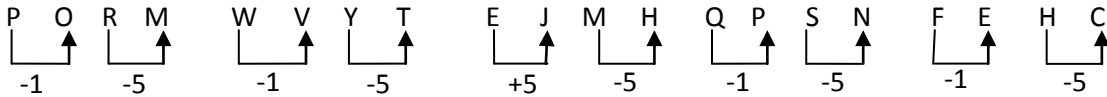
94. c; Difference between, two letter

- D and G=2
- E and K=5
- J and R=⑥ 7
- R and Y=8
- R and V= 3

95. b; Except CRDT, Difference between the letter are same

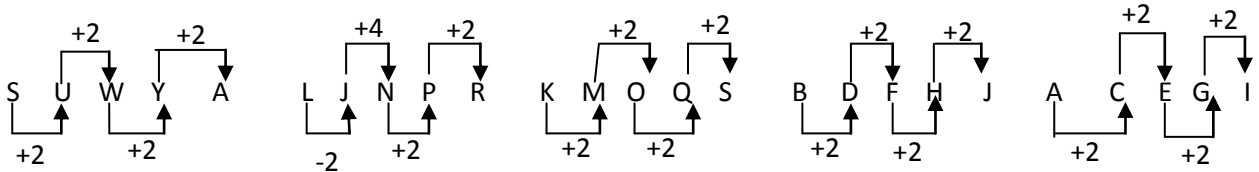


96. c;



Except ETMH, all are same form

97. b;



98. c; V Y A K B M Y G H Z L M V O X F S Y L D Q B S P N

$22+25+1+11+2$	$13+25+7+8+26$	$12+13+22+15+24$	$6+19+25+12+4$	$17+2+19+16+18$
↓	↓	↓	↓	↓
61	69	86	66	68

61 is a prime number except all.

99. e; A=1, B=2, Z=26, Y=25, D=5

Here D's place value is 4

100. e; A=26, C=24, D=23, E=22, B=4

Here, B's reverse place value is 25

101. c; Difference between two letter

- A and B=0
- A and C=1
- A and D=③ 2
- A and E= 3
- B and D=1

102. d; A 1 E 5, B 2 C 3, A 1 D 4, B 3 C 4, C 3 D 4

Except B3C4, all are having place value.

103. d; Each group follows the following rule

1 2 3 4 → 3 2 4 1

option (HAVE:AVEH) does not follow this rule, hence does not belong to this group.

104. Each group follows the following rule

1 2 3 4 5 6 → 2 3 1 5 4 6

option (plenty : leptyn) does not follow this rule, hence does not belong to this group.
105. d; Except Mostly : Simpytm, they are having same number of digit.