SBI Clerk Pre. – 2022.SCP-210007

HINTS & SOLUTIONS

ANSWER KEY

1.(2)	21.(1)	41.(2)	61.(4)	81.(3)
2.(3)	22.(3)	42.(4)	62.(3)	82.(2)
3.(5)	23.(4)	43.(1)	63.(5)	83.(2)
4.(1)	24.(2)	44.(3)	64.(5)	84.(5)
5.(4)	25.(5)	45.(5)	65.(5)	85.(4)
6.(5)	26.(2)	46.(4)	66.(4)	86.(2)
7.(4)	27.(1)	47.(1)	67. (1)	87.(3)
8.(2)	28.(3)	48.(5)	68. (2)	88.(4)
9.(4)	29.(3)	49.(4)	69. (4)	89.(1)
10.(4)	30.(1)	50.(2)	70. (2)	90.(4)
11.(2)	31.(3)	51.(1)	71.(2)	91.(3)
12.(1)	32.(2)	52.(2)	72.(3)	92.(2)
13.(3)	33.(1)	53.(2)	73.(3)	93.(3)
14.(2)	34.(1)	54.(3)	74.(2)	94.(3)
15.(4)	35.(4)	55.(1)	75.(4)	95.(2)
16.(2)	36.(2)	56.(2)	76.(4)	96.(3)
17.(1)	37.(5)	57.(1)	77.(1)	97.(4)
18.(4)	38.(3)	58.(5)	78.(1)	98.(5)
19.(5)	39.(3)	59.(3)	79.(4)	99.(2)
20.(3)	40.(2)	60.(2)	80.(2)	100.(1)

HINTS & SOLUTIONS

1.(2) The give statement is 'Indian exchanges do not offer trading in exotic derivative instruments'. So, there are certain derivative instruments which are exotic which cannot be traded in the Indian exchanges. So, Indian exchanges do not offer trading in all types of derivative instruments.
Hence, option (2) is the correct answer.

2.(3) The answer to the question can be inferred from the second paragraph where it is mentioned that ' *NSE was the global leader in terms of volume of trading of index options*'.
Hence, option (3) is the correct answer.

3.(5) The answer to the question can be inferred from the third paragraph where it is mentioned that ' *Incidentally, three exchanges—Korea Exchange, NSE and the Moscow Exchange—accounted for 68% of the total single stock futures total volumes traded*'.
Hence, option (5) is the correct answer.

4.(1) The statement given in options (1) is false. It can be inferred from the third paragraph where it is mentioned that the NSE and Korea Exchange together accounted for 90.7% of the volume of index options in the Asia-Pacific region. So, mentioning of the World Federation of Exchanges make the statement false.
The option (2) is True. It can be inferred from the fourth paragraph.
The option (3) is true. It is written in the fifth paragraph.
Hence, option (1) is the correct answer.

5.(4) The answer to the question can be inferred from the first paragraph where it is mentioned that ' *…but that has not stopped the bourses from becoming one of the largest derivative trading centres globally…*'
Bourse means a stock exchange in non-English speaking country.
The passage is talking about how Indian stock exchange is performing well in the derivatives section.
Hence, option (d) is the correct answer.

6.(5) Minute means small.
Among the given options, the word 'minute' has a meaning which is OPPOSITE in meaning to the word 'largest'.
Hence, option (e) is the correct answer.

7.(4) Global [adjective] means ' *relating to the whole world; worldwide*';
International [adjective] means ' *of or having to do with more than one nation*';
The word 'international' has a meaning which is nearly SIMILAR to the meaning of the word 'Global'.
Hence, option (d) is the correct answer.

8.(2) The erroneous phrase is part (B). Instead of 'has', 'had' should be present because when two past events are discussed, then the clause having 'after' should be in Past Perfect but Main Clause should be in Simple Past tense.
Hence, option (b) is the correct answer.

9.(4) The erroneous phrase is part (D). Instead of 'that', 'which' should be used. Though 'that' is used in place of 'who' or 'which' but only 'which' can refer any clause in the form of Relative Pronoun, 'Who' or 'that' can't refer any clause.
Hence, option (d) is the correct answer.

10.(4) The erroneous phrase is part (D). Instead of 'more', 'most' should be used because when comparison is made between more than two persons or things, then we use Adjective of Superlative Degree.
Hence, option (d) is the correct answer.

11.(2) The erroneous part is (B). Generally, after 'than' infinitive particle 'to' is not used. Instead first form of verb (V1) is directly used.
Hence, option (b) is the correct answer.

12.(1) The erroneous part is (A). The usage of 'else' is superfluous.
Hence, option (a) is the correct answer.

13.(3) The erroneous part is (C). Prior to ''the', 'than' should be used because after the clause starting with 'no sooner', 'than' is used at the starting of the second clause.
Hence, option (c) is the correct answer.

14.(2) The erroneous part is (B). Instead of 'was broken out', it should be 'broke out'.
Hence, option (b) is the correct answer.

15.(4) The erroneous part is (D). Instead of 'is', 'was' should be used. The clause 'The gatekeeper thought' is in Past Tense which indicates that the event happened in Past.
Hence, option (d) is the correct answer.

16.(2) The phrase (C) provides main verb 'attributed' to the auxiliary verb 'had'. So, (C) should follow (1). (B) completes the list ("views, observations and findings") started in (C). So, (B) should follow (C). 'observations and findings' where? The answer is 'in the Rafale case'. So, (D) should follow (B) and (A) should follow (D). The correct sequence should be CBDA.
'*The bench said Gandhi had incorrectly attributed "views, observations and findings" in the Rafale case to the top court.*'
Hence, option (b) is the correct answer.

17.(1) (B) provides the subject to the sentence. (A) informs about what Maneka Gandhi has said. So, (A) should follow (B) which should follow (1). (C) should follow (A) and (D) should follow (C).
The correct sequence should be BACD.
'*In a statement that could stir a controversy, Union Minister Maneka Gandhi has said that she categorises different villages as per the votes registered in her favour and prioritises development accordingly.*'
Hence, option (a) is the correct answer.

18.(4) (D) upon following (1) makes a meaningful phrase 'In a new still from the Ali Abbas Zafar film'. (D) should follow (1). (B) provides the subject of the sentence. So, (B) should follow (D). A-C provides adverbial phrase qualifying the verb 'see'. So, (A) should follow (B) and (C) should follow (A). The correct sequence is 'DBAC'.
'*In a new still from the Ali Abbas Zafar film, we see Salman as a senior citizen with white hair and a white beard*.'
Hence, option (d) is the correct answer.

19.(5) The given sequence makes a grammatically correct and contextually meaningful sentence and doesn't require any rearrangement.
'*The actor has been sporting a moustache since the last few months which is reportedly for his upcoming film, Panipat.*'
Hence, option (e) is the correct answer.

20.(3) (1) provides the subject of the sentence. (C) starting with 'are' provide verb phrase to the subject. So, (C) should follow (1). (D) starting with phrase 'World Cup squad' completes the phrase 'India's 15-man World Cup squad. So, (D) should follow (C). (B) starting with 'but' starts another clause and (A) completes the clause started in (B). So, (B) should follow (D) and (A) should follow (B).
The correct sequence is CDBA.
'*The Indian selection committee are all set to Indian's 15-man World Cup squad on Monday, but fans and pundits have already picked their individual squads for the marquee event.*'
Hence, option (c) is the correct answer.

21.(1) Among the given options, the option (a) 'mistake' correctly fits into the context of the sentence. She makes a mistake in her assumption. One cannot make obstacle or accuracy or dispute or problem while assuming something. One can make mistake while assuming something.
Hence, option (a) is the correct answer.

22.(3) One can brought his/her family to 'travel' around the globe.
'Travel around the globe' is a meaningful phrase while 'deportation around the globe' is not.
Among the given options, the option (c) 'travel' correctly fits into the context of the sentence.
Hence, option (c) is the correct answer.

23.(4) 'Discretion' means the freedom to decide what should be done in a particular situation.
Discretion is used in deciding something.
Among the given options, the word 'discretion' correctly fits into the context of the sentence.
Hence, option (d) is the correct answer.

24.(2) There can be opportunities for private organisations to run their own schools. The words 'negligence', 'surveillance', 'supplies' and 'advocacy' don't gel well with the context of the sentence.
Only 'opportunities' correctly fits into the context of the sentence.
Hence, option (b) is the correct answer.

25.(5) The sentence seems to be discussing the value of a watch. 'Estimation of value of a watch' is a meaningful idea.
Among the given options, the word 'estimation' succeeds in making a grammatically correct and contextually meaningful sentence.
Hence, option (e) is the correct answer.

26.(2) The tone of the sentence suggests that something happened in the past. The highlighted phrase has a Future tense which is erroneous.
Among the given alternatives, the alternative (i) and (iii) imparts the correct grammatical tense to the sentence. Also note that, in this sentence, both Present Perfect tense and Simple Past tense can impart the correct tense to the sentence.
Hence, the option (b) is the correct answer.

27.(1) In the given sentence, 'with' is a preposition after which a **Pronoun in the Objective case** is used.
Instead of 'I', 'me' should be there.
Hence, the correct alternative which should replace the given highlighted phrase is the alternative (iii).
The correct answer is the option (a).

28.(3) When two or more pronouns are used simultaneously, then the correct order of the pronoun, in case of a sentence having positive tone, is 'Second Person, Third Person, First Person'.
So, the correct phrase should be '*You, he and I are going*'. The alternative (i) is the only alternative which is correct.
Hence, the option (c) is the correct answer.

29.(3) The phrase 'neither one' is considered *singular*. So, the usage of 'are' and 'were' is incorrect. The alternative (i) will make a grammatically incorrect and contextually meaningless sentence.
Only alternative (ii) is the correct answer.
Hence, the correct answer is the option (c).

30.(1) There are two errors in the highlighted phrase: The article 'the' should precede the ordinal adjective 'first', and the other one is the usage of 'was' after 'Manish.

When you're writing about a untrue situation — usually following the word if or the verb wish — the verb to be is rendered as were.

The correct highlighted phrase should have been 'were the first Prime Minister', as given in the alternative (i). Hence, the correct answer is the option (a).

31.(3)
$196 + 1^2 = 197$
$197 + 3^2 = 206$
$206 + 5^2 = \boxed{231}$
$231 + 7^2 = 280$
$280 + 9^2 = 361$
so, 231 is missing no.

32.(2)
$512 - (2^2 - 2) = 510$
$510 - (3^2 - 3) = \boxed{504}$
$504 - (4^2 - 4) = 492$
$492 - (5^2 - 5) = 472$
$472 - (6^2 - 6) = 442$
So, missing no. is 504

33.(1)
$8 - 5 = 3$
$3 - 3 = 0$
$0 - 1 = -1$
$(-1) - (-1) = 0$
$0 - (-3) = \boxed{3}$
So, missing no. is 3

34.(1)
$509 + 200 = 709$
$200 + 709 = \boxed{909}$
$709 + 909 = 1618$
$909 + 1618 = 2527$
So, missing no. is 909

35.(4)
| 96 | 48 | 144 | 36 | 180 | 30 |

÷2   ×3   ÷4   ×5   ÷6

So, missing no. is 96.

36-40. Day1
No. of male visited on day1 $= \frac{1400}{13+15} \times 13 = 650$
No. of female visited $= 1400 - 650 = 750$
Day2
No. of male visited $= \frac{1700}{37+31} \times 37 = 925$
No. of female visited $= 1700 - 925 = 775$
Day3
No. of male visited $= \frac{1200}{13+12} \times 13 = 624$
No. of female visited $= 1200 - 624 = 576$
Day4
No. of male visited $= \frac{1500}{7+8} \times 7 = 700$
No. of female visited $= 1500 - 700 = 800$
Day5
No. of male visited $= \frac{800}{11+5} \times 11 = 550$
No. of female visited $= 800 - 550 = 250$

36.(2) required percentage $= \frac{925-250}{250} \times 100 = 270\%$

37.(5) average no. of people of five days
of week $= \frac{1400+1700+1200+1500+800}{5} = 1320$
So, in 2 days of week no. of people visited are less than average no. of people.

38.(3) required value $= \sqrt{576} = 24$

39.(3) required ratio $= \frac{750+775+800}{3} : \frac{925+700}{2}$
$= \frac{2325}{3} : \frac{1625}{2}$
$= 62 : 65$

40.(2) total no. of male visited on day3
$= 624 + 650 \times \frac{4}{100} = 650$
Total no. of female visited on day3
$= \frac{650}{13} \times 12 = 600$
Required no. of female $= 600 - 576 = 24$

41-45. Let the CP of AC be Rs. 100x
Then, CP of washing machine be Rs. 80x.
CP of TV = Rs. 75x
ATQ,
$100x + 80x + 75x = 51,000$
$\Rightarrow 255x = 51,000$
$\Rightarrow x = 200.$

Articles	TV	Washing Machine	AC
CP	15,000	16,000	20,000
SP	17,700	21,600	24,500

41.(2) Required average $= \frac{17,700+24,500}{2}$
= Rs. 21,100

42.(4) Total profit earned on selling TV and AC
= 2700 + 4500 = Rs. 7200
Profit earned on selling washing machine = 5600
Required% $\frac{7200-5600}{5600} \times 100\%$
$= \frac{200}{7}\%$
$= 28\frac{4}{7}\%$

43.(1) Marked price of AC $= \frac{24500}{80} \times 100 = $ Rs. 30,625
Required% $= \frac{30,625-20,000}{20,000} \times 100\%$
$= \frac{425}{8}\% = 53\frac{1}{8}\%$

44.(3) Total profit = Rs. (17,700-15,000)+
(21,600-16,000)+(24,500-20,000)
= Rs. 12,800.

45.(5) Cost price of Laptop $= \frac{215}{100} \times 21,600$
= Rs. 46,440
Required difference = 51,000-46,400
= Rs. 4600

46.(4) Let C.P of book = Rs. 8x
Selling price of book $= 8x \times \frac{225}{200} = $ Rs. 9x
ATQ,
$9x + 4 - 8x = \frac{1}{4} \times 8x$
$\Rightarrow x + 4 = 2x$
$\Rightarrow x = 4$
New selling price = 9 × 4 + 4 = Rs. 40

47.(1) Let larger part is = Rs y.
Then smaller part = Rs. (1800 – y)
ATQ,
$\frac{y \times x \times 2}{100} + (1800 - y) \times \frac{4 \times 2}{100} = 164$
$2xy + 14400 - 8y = 16400$ ... (i)
and
$\frac{y \times 4 \times 2}{100} + (1800 - y) \times \frac{x \times 2}{100} = 160$
$8y + 3600x - 2xy = 16000$ ... (ii)
Adding (i) and (ii)
$3600x = 16400 + 16000 - 14400$
$x = 5$
$x\% = 5\%$

48.(5) Total two digits number = 90
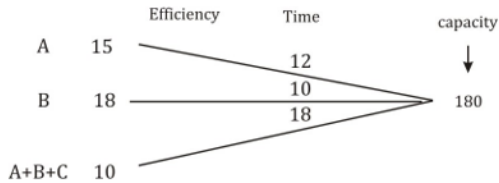Multiple of 3 = {12,15,18, … … 99} = 30
Multiple of 12 = {12,24,36, … … 96}= 8
Favorable events = 30 – 8 = 22
Required probability $= \frac{22}{90} = \frac{11}{45}$

49.(4) average in initial matches = a

ATQ,

$40 \times a + 112 + 99 = 42 (a + 2)$

$40a + 211 = 42a + 84$

$2a = 127$

$a = 63.5$

new average = a + 2

$= 63.5 + 2$

$= 65.5$

50.(2) Let capacity of tank = 180 lit (L.C.M of 12,10, and 18)

Efficiency of C (leak) = 10 – 15 – 18 = –23 lit/h.

-ve sign indicate that water is leaking.

23 lit/h units $= \frac{23}{60}$ lit/min units = 46 lit/min.

180 units $= \frac{46 \times 60 \ 180}{23}$ = 21600 lit

51.(1) Let length and breadth of rectangular

field = 4x and 9x respectively

ATQ,

$2 \times (4x + 9x) \times 4 = 208$

$x = 2$

Area of are rectangular field = $4 \times 2 \times 9 \times 2 = 144 m^2$.

52.(2) $[(0.0676)^{0.5} - 0.1]^{\frac{1}{2}} = (1.1)^2 - ?$

$(0.26 - 0.1)^{0.5} = 1.21 - ?$

$? = 1.21 - 0.5$

$? = 0.71$

53.(2) $? = 28 \div 7 \times 25 - 12$

$= 100 - 12$

$= 88$

54.(3) $\sqrt[3]{8\frac{1}{3}\% \times (144)^2 \times 0.25} = ? \times 3$

$\sqrt[3]{144 \times 144 \times \frac{25}{300} \times \frac{25}{100}} = ? \times 3$

$\sqrt[3]{144 \times 12} \times \frac{1}{4} = ? \times 3$

$12 \times \frac{1}{4} \times \frac{1}{3} = ?$

$? = 1$

55.(1) $? \times 13.80 = 2744 \div 19.6 - \left(\frac{100}{900} \times 729 - 10\right)$

$? \times 13.80 = \frac{2744}{19.6} - 71$

$? \times 13.80 = 140 - 71$

$? = \frac{69}{13.80}$

$? = 5$

56.(2) $\frac{?}{100} \times 10 = 69.3 \times \frac{1}{99} \times \frac{1}{7} + \frac{75}{100} \times \frac{12}{2.5}$

$\frac{?}{10} = \frac{1}{10} + \frac{36}{10}$

$\frac{?}{10} = \frac{37}{10}$

$? = 37$

57.(1) $300 \times \frac{70}{100} = \frac{20}{100} \times ? + (100)^{\frac{1}{2}}$

$210 = \frac{1}{5} \times ? + 10$

$200 \times 5 = ?$

$? = 1000$

58.(5) $\frac{71}{100} \times ? \simeq 36 + 26 + 9$

$\Rightarrow ? \simeq 100$

59.(3) $\frac{65}{100} \times ? = \frac{476}{27} \times \frac{243}{238} \times \frac{117}{180}$

$? = \frac{117}{10} \times \frac{100}{65}$

$? = 18$

60.(2) $\frac{?}{100} \times 76 = \sqrt{35 \times 8 + \frac{400}{100} \times 20 + 1}$

$\frac{?}{100} \times 76 = \sqrt{361}$

$? = 19 \times \frac{100}{76}$

$? = 25$

61.(4) $3 \times ?^2 = 25 + 49 + 289$

$?^2 = \frac{363}{3}$

$?^2 = 121$

$? = 11$

62.(3) <u>From I</u>

Let C.P. of article be Rs. x.

$\frac{125}{100} \times 240 - x = 40$

$x = 300 - 40 = Rs \ 260$

<u>From II</u>

Since profit% & discount% is given and

S.P. & marked price is given.

∴ cost price can be determined.

∴ Either from I or II.

63.(5) From I & II

Area of base of cone (πr^2) = 154

∴ πr^2 = 154

$r^2 = 49$

∴ r = 7 cm

∴ height (h) = 7 × 2 = 14 cm.

Volume $= \frac{1}{3} \pi r^2 h$

$= \frac{1}{3} \times \frac{22}{7} \times 7 \times 7 \times 14$

$= \frac{2156}{3} cm^3$

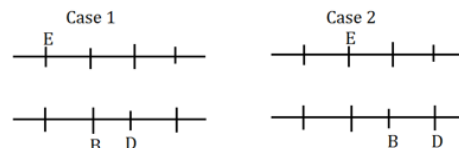**64.(5)** <u>From I & II</u>

x + y = 8 ...(i)

xy = 7

$(x - y)^2 = (x + y)^2 - 4xy$

$(x - y)^2 = (8)^2 - 4 \times 7$

$(x - y)^2 = 36$

x – y = 6 ...(ii)

∴ x = 7 & y = 1

Or x=1 & y=7

65.(5) From I & II

Let speed of boat in still water be x km/hr

and speed of stream be y km/hr.

$\frac{64}{x+y} = \frac{1}{2} \frac{64}{x}$

x = y = 5 km/hr

66-70. From the given statements, D faces the person who sits 2nd to the left of E. Here, we get two possibilities i.e. Case 1 and Case 2. B sits immediate right of the person who faces E.
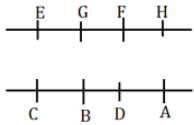

From the given statements, G doesn't face A who is an immediate neighbor of D. Here, Case 2 is ruled out. There is one person sits between G and H.

So, final arrangement will be: -

E G F H

C B D A

66.(4)
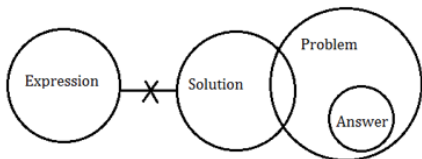67. (1)
68. (2)
69. (4)
70. (2)

71-75. From the given statements, U takes leave before V, so U can't take leave on 25th April. U doesn't take leave in the month of 31 days. Here, we get three possibilities i.e. Case 1, Case 2 and Case 3. There are three persons take leave between U and Y.

Months	Dates	Case 1	Case 2	Case 3
January	13			
	25			
February	13	U		Y
	25		U	
March	13			
	25			
April	13	Y		U
	25		Y	

From the given statements, R and S takes leave on prime numbered date. Neither T nor X takes leave on 25th of the month. Here, Case 1 and Case 3 are ruled out. There are as many persons take leave before R as after W. T takes leave before S and after X. U takes leave before V.

Months	Dates	Persons
January	13	X
	25	W
February	13	T
	25	U
March	13	S
	25	V
April	13	R
	25	Y

71.(2)
72.(3)
73.(3)
74.(2)
75.(4)
76.(4)

Problem
Expression — X — Solution
Answer

77.(1)

Calm
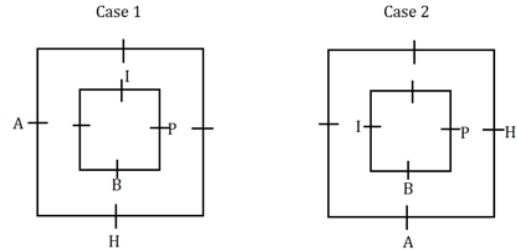Hard — X — Soft Angry

78.(1)

Deepak
Chetan — X — Amit Bhaskar
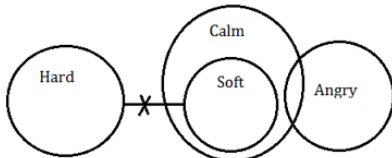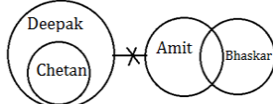
79.(4) 2 5 9 6 8 1 3 4 7
9 8 7 6 5 4 3 2 1

80-84. From the given statements, B who faces outside sits immediate right of P. P is neither an immediate neighbor of H nor S. H sits 2nd to the right of the person who faces I. S doesn't face A who sits immediate left of H. Here, we get two possibilities i.e. Case 1 and Case 2.

Case 1   Case 2

From the given statements, Q faces inside. Q faces the person who sits immediate right of R. Here, Case 2 is ruled out. So, final arrangement will be: -

Q
I
A — R   P — S
B
H
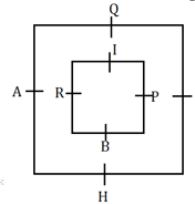
80.(2)
81.(3)
82.(2)
83.(2)
84.(5)
85.(4)

451 685 254 723 132
723 685 451 254 132

86.(2)
87.(3)
88.(4)
89.(1)

90-94. From the given statements, E is the mother of B who is the husband of D. We have to complete first blood relation so according to the statements given, there is a sister of B, a father of B, a father in law of A, a husband of C and brother of C. After combining all, we have blood relation as below-

E—F
A—C—B—D
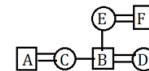
From the given statements, Father in law of A dances in odd numbered floor. Here, F is the father in law of A. There are three persons dancing between father in law of A and the husband of C. Here, A is the husband of C. A dances above the sister of B but not immediate above the floor. Here, C is the sister of B. Here, we get four possibilities i.e. Case 1, Case 2, Case 3 and Case 4.

Floors	Case 1	Case 2	Case 3	Case 4
7	F	…. /	A	
6		…. /		A
5		A	C/	…. /
4			C/	….. /C
3	A	C/	F	….. /C
2	……	C/	…. /C	…… /C
1	C	F	….. /C	F

From the given statements, there are as many persons dance above the father of B as below the mother in law of D. Here, F is the father of B and E is the mother in law of D. Here, Case 1 is ruled out. There are two persons dancing between D and the brother of C. Here, B is the

brother of C. Here, Case 2 and Case 4 are eliminated, and
we get one more possibility i.e. Case 3a.

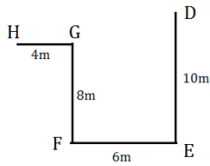| Floors	Case 3	Case 3a
7	A	A
6	E	E
5	B/D	B/D
4	C	C
3	F	F
2	D/B	....
1	.....	D/B

Ground floor is not vacant. So, Case 3 is ruled out. B
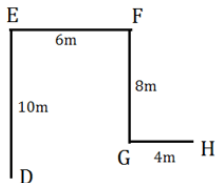doesn't dance in ground floor.
So, final arrangement will be: -

Floors	Person
7	A
6	E
5	B
4	C
3	F
2	....
1	D

90.(4)

91.(3)

92.(2)

93.(3)

94.(3)

95.(2)

96.(3)

97.(4)
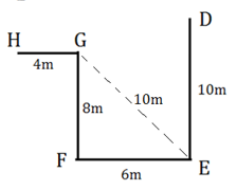
98.(5)   I: M < Q (True)
II: M < S (True)

99.(2)   I: A ≥ D (False)
II: E < H (True)

100.(1)   I: S > W(True)
II: U ≥ Y (False)