IBPS PO Preliminary Grand Test –IPP-180912

HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

1. (1) The most appropriate set of words that perfectly fits in the blanks of the sentence is 'diffusion, changed'. **'Diffusion'** is a **noun** which means *the spreading of something more widely*, while; **'changed'** means *make or become different*. As, only these two words provide absolute meaning to the given sentence, **option (1)** becomes the most suitable answer choice.
Recognition means the action or process of recognizing or being recognized, in particular.
Accumulation means the acquisition or gradual gathering of something.

2. (1) The most appropriate set of words that perfectly fits in the context of the sentence is 'dint, retaining'. '**Dint'** is a **noun** which means ' *force of attack; impact'*. '*retaining*' is a **verb** which *means to continue to have (something); keep possession of.* As, only these two words provide absolute meaning to the given sentence, option (1) becomes the most suitable answer choice.
Ineptitude means lack of skill or ability.
Revamping means to give new and improved form, structure, or appearance to.

3.(4) The most appropriate set of words that perfectly fits in the context of the sentence is 'proposals,

cumbersome'. **'Proposals'** is a **noun** which means ' *a plan or suggestion, especially a formal or written one, put forward for consideration by others'.* ' **Cumbersome'** is an **adjective** which means *'slow or complicated and therefore inefficient'*. As, only these two words provide absolute meaning to the given sentence, **option (4)** becomes the most suitable answer choice.

4. (2) The most appropriate set of words that perfectly fits in the context of the sentence is 'emigration, destitution'. **'Emigration'** is a **noun** which means *the act of leaving one's own country to settle permanently in another; moving abroad.* **'destitution'** is a **noun** which means *poverty so extreme that one lacks the means to provide for oneself.* As, only these two words provide absolute meaning to the given sentence, **option (2)** becomes the most suitable answer choice.
Exile means the state of being barred from one's native country, typically for political or punitive reasons.
Affluence means the state of having a great deal of money; wealth.
Execution means the carrying out of a plan, order, or course of action.

5. (5) The most appropriate set of words that perfectly fits in the context of the sentence is 'abolished, autocracy'. ' **Abolished** ' is a **verb** which means *formally put an end to (a system, practice, or institution). 'autocracy'* is a **noun** which means *a system of government by one person with absolute power*. As, only these two words provide absolute meaning to the given sentence, **option (5)** becomes the most suitable answer choice.
Tyranny means cruel and oppressive government or rule.
Dictatorship means a country governed by a dictator.

6. (2) The error lies in part (A) of the sentence. It is to be noted that to make the part of the sentence correct, replace 'sign' with 'signature' as 'sign' is used as a verb form while 'signature' is the noun. Here, to adhere the context of the sentence the more appropriate word is 'signature'. Moreover, all the other parts are grammatically correct, thus the option that depicts the sequence of correct parts is option (2).

7. (3) The error lies in part (B) of the sentence. It is to be noted that the adverb "universally" itself means 'by everyone; in every case'. Thus, the usage of 'by all' becomes superfluous in the sentence, since the meaning is already conveyed by 'universally'. Moreover, all the other parts are grammatically correct, therefore, the option that depicts the sequence of correct parts is option (3).

8. (5) All the parts of sentence are grammatically correct and contextually meaningful and therefore, it does not require any correction. Hence, option (5) becomes the most viable answer choice.

9. (5) The error lies in part (D) of the sentence. It is to be noted that when 'as well as' is part of the subject, the verb must agree with the noun before as well as. Therefore, 'were' should be replaced with 'was' to adhere to the correct grammatical syntax of the sentence. However, all

the options reflect part (D) as correct, therefore, option (5) becomes the most viable answer choice as the correct sequence should be ABCE.

10. (4) The error lies in part (C) of the sentence. It is to be noted that the noun following the phrase "one of the" is always a plural noun, whereas use of verbs as singular or plural will entirely depend upon the subject of the statement, i.e. singular verb for singular subject and plural verb for plural subject. Therefore, to make the sentence correct, replace 'university' with its plural form 'universities'. Since, all the other parts of the sentence are grammatically correct, the option that depicts the sequence of correct parts is option (4).

11. (2) As mentioned in the first paragraph that there was surge in country's economy upto the year 2012 and after that there has been an economic fall down. From this we can conclude that there is uncertainty in the economic outcome of the country.

12. (3) Both the sentences (I) and (III) are correct. We can infer from second paragraph of the passage that decline in foreign aid and political transition in 2014 are the factors responsible for economic turnaround of Afghanistan. Hence option (3) is the correct choice.

13. (3) We can infer from paragraph 3 that political instability is the cause of economic downfall in Afghanistan, which forms a connection with paragraph 2. Hence option (3) is the correct choice.

14. (4) We can infer from fourth paragraph of the passage that "Economic policy at times of uncertainty is often ineffective and does not lead to desired outcomes." Hence Political stability plays a major role in the economic development of the country.

15. (4) We can infer from the last few lines of the fifth paragraph, which implies that the effectiveness of the economic policy for the public, develops its credibility.

16. (4) "The struggle of Afghanistan for economic growth." is an appropriate title of the passage.

17. (2) Dire means extremely serious or urgent. Hence it has same meaning as appalling.

18. (5) Exacerbating means make (a problem, bad situation, or negative feeling) worse. Hence it has same meaning as aggravating.

19. (3) Adverse means preventing success or development; harmful; unfavourable. Hence it has opposite meaning as beneficial

20. (3) Optimistic means hopeful and confident about the future. Hence it has opposite meaning as ominous.

21. (3) Both the sentences (II) and (III) are grammatically correct. However, there is an error in the first sentence. The preposition " *for* " should be replaced with " *since* " to make the sentence grammatically correct. It is to be noted that *for* is used in cases when we refer to a period of time, *since* is used to refer a point of time. Hence option (3) is the correct choice.

22. (2) Among the given statements, only the third sentence is grammatically correct. There are grammatical mistakes in both the first and the second sentences. In the first sentence, the word " *that* " should be replaced by " *than* " as *No sooner* is always followed by *than* to make the sentence grammatically correct. No sooner is used for saying that something happens immediately after something else.
e.g. **No sooner** had I closed my eyes **than** I fell asleep.

In the case of the second sentence, the verb " *has* " will be replaced by " *had* " because when Reporting Speech is in past tense, the Reported Speech will also be in past tense.
Hence option (2) is the correct choice.

23. (4) Both the statements (I) and (II) are grammatically correct. However, there is an error in the third sentence. In the case of the third sentence, replace " *than* " by " *to* " because whenever *prefer* is used to compare two nouns or gerunds, then *prefer* is always followed by *to* .
e.g. Rohit **prefers** cricket **to** football .
Hence option (4) is the correct choice.

24. (5) All the given statements are grammatically correct. Hence option (5) is the correct choice.

25. (3) Both the statements (I) and (II) are grammatically correct. However, there is a grammatical error in the third sentence; the use of " *again* " is superfluous because the word " *repeat"* itself means 'to say or do again'. So, the correct sentence would be, *Ankita requested the examiner to repeat the question* .
Hence option (3) is the correct choice.

26. (2) Option (2) is the correct choice for the give question.
Echoes means (of an object or event) be reminiscent of or have shared characteristics with.
Embarks means begin (a course of action).

27. (4) Expressions is the correct choice as it is referring to "Our contemplations of the cosmos stir us"

28. (2) **Grandest** is a superlative adjective which means magnificent and imposing in appearance, size, or style and is the correct choice for the given question

29. (3) Option (3) is the correct choice for the given question.
Amalgam means a mixture (of scientist (an astrophysicist) and humanist).

30. (5) Option (5) is the correct choice for the given question.
Paean means a creative work expressing enthusiastic praise.

31. (2)
(i) $x^2 = 1089 - 248$
$x^2 = 841$
$x = \pm 29$
(ii) $y^2 + 33y + 29y + 957 = 0$
$y(y + 33) + 29(y + 33) = 0$
$(y + 29)(y + 33) = 0$
$y = -29, -33$
$x \geq y$

32. (2)
(i) $3x^2 - 24x - 21x + 168 = 0$
$3x(x - 8) - 21(x - 8) = 0$
$(3x - 21)(x - 8) = 0$
$x = 7, 8$
(ii) $3y^2 - 21y - 18y + 126 = 0$
$3y(y - 7) - 18(y - 7) = 0$
$(y - 7)(3y - 18) = 0$
$y = 7, 6$
$x \geq y$

33. (5)
(i) $36x^2 + 24x - 12x - 8 = 0$
$12x(3x + 2) - 4(3x + 2) = 0$
$(3x + 2)(12x - 4) = 0$
$x = \frac{-2}{3}, \frac{1}{3}$
(ii) $45y^2 + 36y + 15y + 12 = 0$
$9y(5y + 4) + 3(5y + 4) = 0$
$(5y + 4)(9y + 3) = 0$
$y = \frac{-4}{5}, \frac{-1}{3}$
No relation

34. (4)
(i) $x^2 - 28x - 12x + 336 = 0$
$x(x - 28) - 12(x - 28) = 0$
$(x - 12)(x - 28) = 0$
$x = 12, 28$
(ii) $y^2 - 32y - 28y + 896 = 0$
$y(y - 32) - 28(y - 32) = 0$
$(y - 32)(y - 28)$
$y = 28, 32$
$x \le y$

35. (4)
$x^2 = 800 + 721$
$x = \pm 39$
$y = \sqrt{1521}$
$y = 39$
$x \le y$

36. (2)
Ways to select 4 balls out of 16 balls = 16_{c_4}
Ways to select one red ball = 5_{c_1}
Ways to select two black ball = 6_{c_2}
Ways to select one blue balls = 5_{c_1}
∴ Required probability
$= \dfrac{5_{c_1} \times 6_{c_2} \times 5_{c_1}}{16_{c_4}}$
$= \dfrac{75}{364}$

37. (1)

	Time	Efficiency	LCM
A	40 days	15	
B	50 days	12	600 (total work)
C	60 days	10	

A's work in 5 days = $5 \times 15 = 75$ unit.
Total remaining work = 525 unit.
Let C works for x days.
Then, B will work for (x – 3) days.
ATQ,
$x \times 10 + (x - 3) \times 12 = 525$
$\Rightarrow 10x + 12x - 36 = 525$
$\Rightarrow 22x = 561$
$\Rightarrow x = \dfrac{561}{22} = \dfrac{51}{2}$ days
Total work done by C = $\dfrac{51}{2} \times 10 = 255$ unit
Share of C = $\dfrac{48000}{600} \times 255 =$ Rs. 20,400

38. (3)
Let the quantity of shirts be x
And the cost of each shirt be Rs. 2
Then, the cost of each trouser = $\dfrac{5}{2} \times 2$
= Rs. 5
ATQ,
$\Rightarrow (30 + 2x) \times \dfrac{145}{100} = 12 + 5x$
$\Rightarrow 870 + 58x = 240 + 100x$
$\Rightarrow 42x = 630 \Rightarrow x = 15$

39. (4)
Let the selling price for the shopkeeper be Rs 100x

for 1st shopkeeper,	for 2nd shopkeeper
CP = 100x – 25x = 75x	CP $= 100x \times \dfrac{100}{120} = \dfrac{250x}{3}$
Profit = 25x	Profit $= 100x - \dfrac{250x}{3} = \dfrac{50x}{3}$

ATQ,
$\Rightarrow 25x - \dfrac{50}{3}x =$ Rs. 150
$\Rightarrow \dfrac{25x}{3} = 150 \Rightarrow x = 18$
SP = $100 \times 18 =$ Rs. 1800

40. (3)
Veer : Arun profit ratio = 12000 : (18000 – 12000)
　　　　　　　= 2 : 1
ATQ,
Let Arun invested X Rs. and Veer invested X + 16000 Rs.
$\dfrac{(16000 + X)8}{X \times 12} = \dfrac{2}{1}$
$128000 + 8X = 24X$
$X = \dfrac{128000}{16}$
X = 8000 Rs.
veer Capital = 8000 + 16000
　　　　　= 24000 Rs.

41. (2)
Total female visitors in all the parks
$= 1,44,000 \left(\dfrac{13}{100} \times \dfrac{6}{10} + \dfrac{15}{100} \times \dfrac{5}{8} + \dfrac{10}{100} \times \dfrac{3}{5}\right)$
$= \dfrac{144000}{100}(7.8 + 9.375 + 6)$
$= \dfrac{144000}{100} \times 23.175 = 33,372$
Required average $= \dfrac{33,372}{3} = 11,124$

42. (1)
Number of male visitors in park A
$= \dfrac{144000}{100}\left(\dfrac{18 \times 5}{12}\right)$
$= 1440 (7.5)$
$= 10,800$
Number of female visitors in park E
$= \dfrac{144000}{100}\left(\dfrac{15 \times 5}{8}\right)$
$= 1440(9.375)$
$= 13,500$
Required percentage $= \dfrac{13,500 - 10,800}{13,500} \times 100 = 20\%$
OR
Required percentage $= \dfrac{18 \times \frac{5}{12} - 15 \times \frac{5}{8}}{15 \times \frac{5}{8}} \times 100 = 20\%$

43. (3)
Number of male visitors in park C and F together
$= \dfrac{144000}{100}\left(\dfrac{13 \times 4}{10} + \dfrac{10 \times 2}{5}\right)$
$= 1440(5.2 + 4)$
$= 13,248$
Number of female visitors in park C and F together
$= \dfrac{144000}{100}\left(\dfrac{13 \times 6}{10} + \dfrac{10 \times 3}{5}\right)$
$= 1440(7.8 + 6)$
$= 19,872$
Required difference = 19,872 – 13,248 = 6,624

44. (5)
Total visitors in park F who are not senior citizen
$= \dfrac{144000}{100}\left(\dfrac{10 \times 2}{5} \times \dfrac{1}{4} + 10 \times \dfrac{3}{5}\right)$
$= 1440(1 + 6)$
$= 10,080$

45. (1)
Total male and female visitors in parks A, C, D and E together
$= \dfrac{144000}{100} \times \dfrac{(18 + 13 + 23 + 15)}{4}$
$= 1440 \times \dfrac{69}{4}$
$= 24,840$

46. (3)
Total of the Successful CABG Surgery did by Apollo Hospital and AICD surgery did by Indraprastha hospital
$= 420 \times \dfrac{6}{7} + 240 \times \dfrac{5}{6}$
$= 360 + 200$
$= 560$

47. (5)
Total of the successful CAG surgery did by Medanta & Apollo
$= (160 + 240) \times \dfrac{9}{10}$
$= 400 \times \dfrac{9}{10}$
$= 360$
Required percentage $= \dfrac{360 - 300}{300} \times 100$
$= \dfrac{60}{300} \times 100$
$= 20\%$

48. (4)
Average number of CABG surgery did by Medanta, Apollo & Indraprastha hospital together
$= \left(\dfrac{240 + 420 + 480}{3}\right)$
$= \dfrac{1140}{3}$
$= 380$
Average number of CAG surgery did by Apollo, Indraprastha and Narayan hospital together
$= \left(\dfrac{180 + 240 + 300}{3}\right)$
$= \dfrac{720}{3}$
$= 240$
Required difference = 380 – 240 = 140

49. (4) Total of AICD surgeries patients, who are above or equal to thirty years of age

$$= (240 + 280) \times \frac{80}{100} + (360 + 280) \times \frac{7}{8}$$

$$= 416 + 560$$

$$= 976$$

50. (1) Total number of CAG, CABG and AICD surgeries did by Indraprastha hospital

$$= (180 + 480 + 240) = 900$$

Total number of CAG, CABG and AICD surgeries did by Narayana hospital

$$= (300 + 420 + 280) = 1000$$

Required Ratio $= \frac{900}{1000} = 9 : 10$

51. (2) Let speed of boat in still water= x

Speed of stream = y

And distance = D

ATQ,

$$(x - y)16 = 12x$$

$$x = 4y$$

Let Required time be 'T'

ATQ,

$$12x = T(x + y)$$

$$T = \frac{48y}{5y} = 9.6 \ minutes$$

52. (4) To put 5 different chocolate in identical boxes → Boxes treated as one box → 1 way

Choices vary in selection of chocolates

⇒ to choose 5 chocolates → 5!

Answer

5! × 1 ⇒ 120

53. (1)

$$\frac{x \times 4 \times 2}{100} + \frac{(1200 - x) \times 5 \times 2}{100} = 110$$

$$8x + 12000 - 10x = 11000$$

$$2x = 1000$$

$$x = 500$$

hence,

Money lent at 4% is Rs 500

And lent at 5% is Rs 700

54. (3) Container A is filled $= 28\frac{4}{7}\% = \frac{200}{7}\%$

$$= \frac{2}{7} th \ part \ of \ A$$

Let total capacity of A = x

Milk = 10 liter

Total mixture $= \frac{10}{5} \times 8 = 16 \ litre$

$$\Rightarrow \frac{2}{7}x = 16$$

$$x = 56 \ liter$$

55. (1) Let mark price of each product and number of product are 100y and 100x respectively.

Damaged product = 20x

Undamaged product = 80x

S.P. of damage product = 70y

S.P. of good product = 90y

ATQ,

$$80x \times 90y - 20x \times 70y = 29000$$

$$xy = 5$$

Sum of mark price of all product

$$= 100x \times 100y$$

$$= 10000xy$$

$$= 50,000$$

56. (3)

$$3 \quad 3 \quad 9 \quad 33 \quad 87 \quad 183$$
$$\underset{0}{} \ \underset{6}{} \ \underset{24}{} \ \underset{54}{} \ \underset{96}{}$$
$$\underset{6}{} \ \underset{18}{} \ \underset{30}{} \ \underset{42}{}$$

57. (1)

$$16 \quad 65 \quad 101 \quad 126 \quad 142 \quad 151$$
$$+7^2 \quad +6^2 \quad +5^2 \quad +4^2 \quad +3^2$$

58. (4)

$$9 \quad 31 \quad 63 \quad 75 \quad 117 \quad 119$$
$$22 \quad 32 \quad 12 \quad 42 \quad 2$$
$$+10 \quad -20 \quad +30 \quad -40$$

59. (4)

$$9 \quad 22 \quad 52 \quad 116 \quad 248 \quad 516$$
$$\times 2+4 \quad \times 2+8 \quad \times 2+12 \quad \times 2+16 \quad \times 2+20$$

60. (1)

$$14 \quad 13 \quad 24 \quad 69 \quad 272 \quad 1355$$
$$\times 1-1 \quad \times 2-2 \quad \times 3-3 \quad \times 4-4 \quad \times 5-5$$

61. (1) 40% of 440 + ?% of 655 ≈ 230

$$\Rightarrow 176 + \frac{?}{100} \times 655 = 230$$

$$\Rightarrow ? = \frac{54 \times 100}{655} = 8.24\% \approx 8\%$$

62. (3) 40% of 600 − 250 ≈ ? − 80% of 900

$$\Rightarrow 240 - 250 = ? - 720$$

$$\Rightarrow ? = -10 + 720 = 710$$

63. (4) 325 × 16 ÷ 4 + 37 ≈ ?% of 6700

$$\Rightarrow 1337 = \frac{?}{100} \times 6700$$
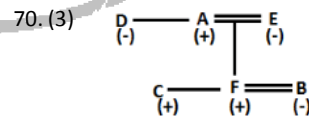
$$\Rightarrow ? = \frac{1337}{67} = 19.95 \approx 20$$

64. (1) 64% of 8900 + ?% of 5300 ≈ 6850

$$\Rightarrow 5696 + \frac{?}{100} \times 5300 = 6850$$

$$\Rightarrow 53? = 1154$$

$$\Rightarrow ? = \frac{1154}{53} = 21.77 \approx 22$$

65. (2) $\sqrt{23409}\%$ of 800 − 624 ≈ $\sqrt{?} \times 24 + (12)^2$

$$\Rightarrow \frac{153}{100} \times 800 - 624 = \sqrt{?} \times 24 + 144$$

$$\Rightarrow 1224 - 624 = \sqrt{?} \times 24 + 144$$

$$\Rightarrow 600 - 144 = \sqrt{?} \times 24$$

$$\Rightarrow \sqrt{?} = \frac{456}{24} = 19$$
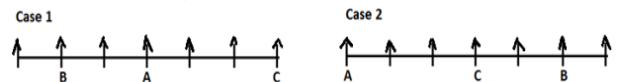
$$\Rightarrow ? = (19)^2 = 361$$

66. (4) I.N@P(False) II. N*P(False)

67. (5) I.H%E(True) II.A@F(True)

68. (3) I.Y$S(False) II. W%U(True)

69. (2)

70. (3)

71-75. C sits third to the right of A and one of them sits at the end of the row. No two person sits adjacent to each other according to the English alphabet (i.e. A does not sit adjacent to B and B does not sits adjacent to A and C and so on). B does not sit at the end of the row.

B and D are not immediate neighbor of each other. D likes blue color. The one who likes red color sits second to the right of D. Only two persons sits between the one who likes Black color and the one who likes Blue color. A does not like Brown color and Black color.
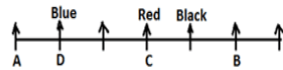
Case 1

Black   Blue   Red
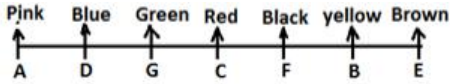B   A D   C

Case 2

Blue   Red Black
A D   C   B

G sits on the left of F and E sits on the right of F. So, case 1 will be eliminated as E and D can't sits together. Now, E likes brown color. The one who likes Green color sits on the right of A. B does not like Pink color and Green color.

Pink Blue Green Red Black yellow Brown
A   D   G   C   F   B   E

71. (1)   **72. (3)**

73. (4)   **74. (5)**   **75. (2)**

76-78.   A sit 2nd right to the one who has highest number of books. E has more books than B and D, but not the highest. The one who has least number of books sits immediate right to A, clearly from this C has the highest number of books.

B does not have the least number of books. The one who has the 2nd least sits 2nd left to the one who has 2nd highest number of books, we get two sitting arrangement:
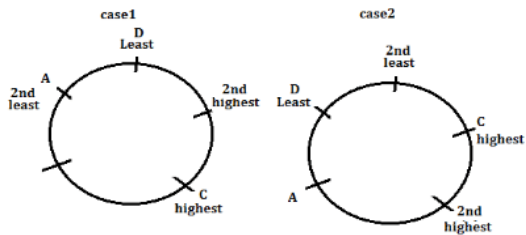
C> E > B/A > B/A > D

But since A does not sit next to B, and B cannot be 2nd highest in case1 hence case1 gets eliminated. The final arrangement is:
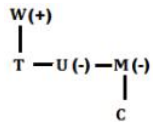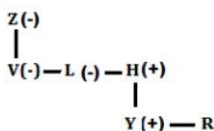

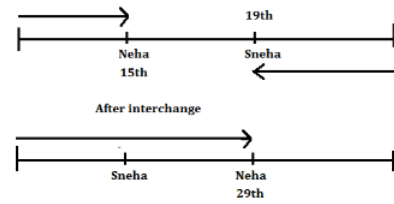C> E > A > B > D

76. (3)   **77. (1)**   **78. (5)**

79. (5)

W(+)
|
T —U (-)—M (-)
|
C

80. (4)

Z (-)
|
V (-)—L (-)—H (+)
|
Y (+) — R

81. (3) T$H, B!N

82. (4)

83. (4)

Neha   Sneha
15th   19th

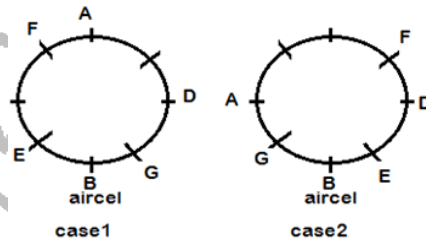After interchange

Sneha   Neha
29th
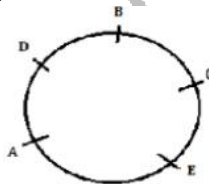
Total number of persons = 29+19-1=47

84. (4)

7
12
4
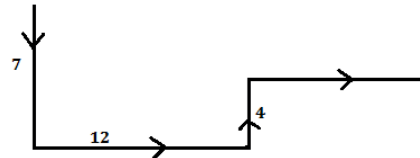
85-89.   D sits 2nd right to B, who uses Aircel. G faces F. E sits 3rd right to A, who is not neighbor of D and B. The one who uses Aircel, who is one of the neighbors of G.

case1   case2

A does not use MTS. The one who uses BSNL faces the one who uses Idea. The one who uses BSNL does not sit next to one who uses Aircel. The one who is uses Idea sits 2nd to the right of the one who uses MTS. E does not use sim card of idea. We get two cases in case2 :

case1   case2a   case2b
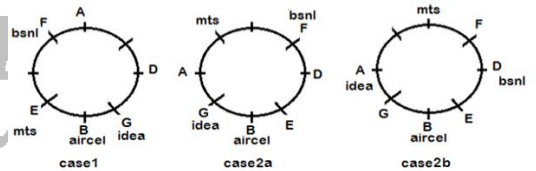
C, who uses Vodafone is not neighbor of A, so case 2b gets eliminated. Now, H is not neighbor of C, So case 2a gets eliminated as there is no position for H as per the given condition. The one who uses JIO sits immediate right to the one who uses Telecom. The one who uses telecom is not neighbor of the one who use Idea. The final arrangement is:
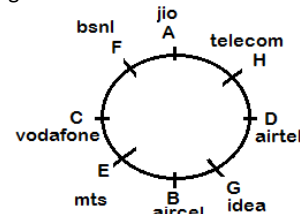
85. (5)   **86. (3)**

87. (5)   **88. (1)**   **89. (4)**

90-94.   One of the female person who belongs to party TMC likes Green color. F is a female and likes Pink color. A is not a male member and does not likes Green color. D belongs to RJD and does not like white color.

Person	Color	Party
(-)	Green	TMC
A(-)		
F(-)	Pink	
D		RJD

E likes Black color. The one who belongs to NDA likes white color who is not a female. B belongs to RLD. No male members likes Blue color. C is not a male. D does not like Red color. So, B likes red and the only color left for D is yellow. The one who likes Blue color does not belongs to RLD. D is a male

Person	Color	Party
C(-)	Green	TMC
A(-)	Blue	
F(-)	Pink	
D	Yellow	RJD
E	Black	
G(+)	White	NDA
B	Red	RLD

None of the female members belongs to INC. So, E is male and belongs to INC. The one who belongs to SP does not like Blue color. The one who likes yellow color is a male.

Person	Color	Party
C(-)	Green	TMC
A(-)	Blue	BJP
F(-)	Pink	SP
D(+)	Yellow	RJD
E(+)	Black	INC
G(+)	White	NDA
B	Red	RLD

90. (4)   91. (1)
92. (3)   93. (2)   94. (5)

95-98.

Words	Codes
Chemical	mi
Indian	de
Unit	te
Industry	na
Manufacturing	nu

95. (2)   96. (1)
97. (4)   98. (2)
99. (4)

$$= \sqrt{60^2 + 40^2} = 20\sqrt{13} \text{ km}$$
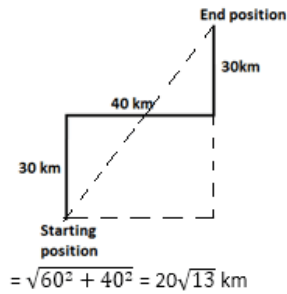
100. (3)   Manish rank is 17th from the left.
Ravi's rank from the left is = (40-14+1) = 27th
Therefore, total number of students between them is 9.