

SBI PO Prelims -2021. SBPP-2021-10005

HINTS & SOLUTIONS

ANSWER KEY

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

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1. (3) Refer to the last paragraph of the passage given above, which states “*But in fixed rate products, the rate at the start of the investment stays until maturity. New rates announced each quarter will apply only to investments made in the quarter and will hold till their maturity. This category comprises the NSC, SCSS, Kisan Vikas Patra (KVP), Post office monthly income scheme (POMIS) and Post office time and recurring deposits.*” From the given lines, we can infer that it is better to invest in fixed rates schemes as the rates will be same throughout the investment tenure therefore, it is better to invest when rates are high. Hence, option (3) is the most suitable answer choice.
2. (4) Refer to the third paragraph of the passage given above, which states, “*The idea is to align the rates on these schemes with those on government securities (G-Secs). So, as G-Sec rates move up or down, the rates on small savings schemes are also supposed to move up and down every quarter.*” Hence, option (4) is the most suitable answer choice.
3. (4) Refer to the first paragraph of the passage given above, which states, “*Given their no-risk profile, the interest rates offered by many of these schemes are very attractive — higher than what most banks offer on fixed deposits.* Besides, many of these schemes enjoy tax breaks which increase the effective returns.” From the given lines, we can conclude that owing to tax saving benefits and high interest rates, investing in SSS is fruitful. Hence, option (4) is the most suitable answer choice.
4. (2) Refer to the second paragraph of the passage given above, which states, “*While you can invest in small savings schemes any time of the year, now seems a particularly opportune time to do so. That’s because interest rates on these schemes are ruling high and could possibly decline in the coming quarters.*” From these lines, we can infer that option (2) is the most suitable answer choice.
5. (4) Refer to the 4th paragraph of the passage given above, which states, “*But in practice, the quarterly reset mechanism is not always implemented, especially when G-Sec rates are on the decline. For two quarters in a row (January to March 2019, and the recent April to June 2019), the rates on most small savings schemes have been left untouched, despite a significant decline in G-Sec rates.*” From the given lines, we can infer that the statement given in option (4) is correct as per the information given in the passage. Hence, option (4) is the most suitable answer choice.
6. (2) Here, phrase given in option (1) will make a grammatically incorrect statement and therefore, can be omitted. Also, phrase given in option (3) can be omitted as it is out of context. Here, only the phrase given in option (2) makes a grammatically correct and contextually meaningful statement. Hence, option (4) is the most suitable answer choice.
7. (4) “ACCUMULATED” [verb] means “gather together or acquire an increasing number or quantity of” and “DISSIPATE” [verb] means “disperse or scatter.” Since, they are opposite to each other, option (4) is the most suitable answer choice.
Accrued: accumulate or receive
resonated: produce or be filled with a deep, full, reverberating sound.
strengthened: make or become stronger.
shielded: protect from a danger, risk, or unpleasant experience.
8. (4) “RUSH” means “move with urgent haste” and “DAWDLE” means “move slowly and idly in a particular direction.” Since, they are opposite to each other, option (4) is the most suitable answer choice.
Gallop: a very fast pace of running by a person.
Bolt: fasten (something) to something else with a long pin that screws into a nut.
Scurry: move hurriedly with short quick steps.
Bustle: move in an energetic and busy manner.
9. (5) “DECLINE” means “become smaller, fewer, or less; decrease” and “PLUMMET” means “decrease rapidly in value or amount.” Since they are synonymous with each other, option (5) is the most suitable answer choice.

Scamper: run with quick light steps, especially through fear or excitement.

Scutter: (especially of a small animal) move hurriedly with short steps.

Surge: a sudden powerful forward or upward movement, especially by a crowd or by a natural force such as the tide.

Sweep: move or remove (dirt or litter) by brushing it away.

10. (2) "VARIABLE" means "not consistent or having a fixed pattern; liable to change" and "FLUID" means "tending or able to change frequently or easily." Since, they are synonymous with each other, option (2) is the most suitable answer choice.

Assiduous: showing great care and perseverance.

Ardent: very enthusiastic or passionate.

Unswerving: not changing or becoming weaker; steady or constant.

11. (3) The passage is providing information on how International Energy Agency is concerned regarding the increased carbon emission by India when whole nation is concerned for the climate change, but there is a fact that is observed across the world that it is the rich nations led by the U.S. that have pumped in the stock of carbon dioxide linked to extreme climate impacts.

The most appropriate phrase to complete the given blank is "in spite of the national focus on climate change". All the other clauses/ phrases fail to form a contextually coherent paragraph. Hence, option (3) is the most suitable answer choice.

12. (1) The passage is providing information on how International Energy Agency is concerned regarding the increased carbon emission by India when whole nation is concerned for the climate change, but there is a fact that is observed across the world that it is the rich nations led by the U.S. that have pumped in the stock of carbon dioxide linked to extreme climate impacts. India though with a increased carbon emission have less average global carbon emission when calculated on the basis of per capita income.

The most appropriate phrase to complete the given blank is "climate impacts being witnessed around the globe" All the other clauses/ phrases fail to form a contextually coherent paragraph. Hence, option (1) is the most suitable answer choice.

13. (5) The passage is providing information on how International Energy Agency is concerned regarding the increased carbon emission by India when whole nation is concerned for the climate change, but there is a fact that is observed across the world that it is the rich nations led by the U.S. that have pumped in the stock of carbon dioxide linked to extreme climate impacts. India though with a increased carbon emission have less average global carbon emission when calculated on the basis of per capita income. The main concerned now is that there should be no partiality among the countries when there arises the need of discussion on energy emissions.

The most appropriate phrase to complete the given blank is "among nations is therefore at the centre of the discussion on" All the other clauses/ phrases fail to form a contextually coherent paragraph. Hence, option (5) is the most suitable answer choice.

14. (2) The passage is providing information on how International Energy Agency is concerned regarding the

increased carbon emission by India when whole nation is concerned for the climate change, but there is a fact that is observed across the world that it is the rich nations led by the U.S. that have pumped in the stock of carbon dioxide linked to extreme climate impacts. India though with a increased carbon emission have less average global carbon emission when calculated on the basis of per capita income. The main concerned now is that there should be no partiality among the countries when there arises the need of discussion on energy emissions. Now is the time when all the countries including India should give a serious thought towards decreasing the carbon emission so that the adverse climate conditions can be avoided.

The most appropriate phrase to complete the given blank is "the universal challenge of climate change has grown." All the other clauses/ phrases fail to form a contextually coherent paragraph. Hence, option (2) is the most suitable answer choice.

15. (1) The passage is providing information on how International Energy Agency is concerned regarding the increased carbon emission by India when whole nation is concerned for the climate change, but there is a fact that is observed across the world that it is the rich nations led by the U.S. that have pumped in the stock of carbon dioxide linked to extreme climate impacts. India though with a increased carbon emission have less average global carbon emission when calculated on the basis of per capita income. The main concerned now is that there should be no partiality among the countries when there arises the need of discussion on energy emissions. Now is the time when all the countries including India should give a serious thought towards decreasing the carbon emission so that the adverse climate conditions can be avoided.

The most appropriate phrase to complete the given blank is "updating building codes and raising energy efficiency". All the other clauses/ phrases fail to form a contextually coherent paragraph. Hence, option (1) is the most suitable answer choice.

16. (4) The passage given above is a story of the king who wanted to know if there was anyone in his kingdom who was free of sorrow. Here, statement (F) is the most suitable statement for the introduction of the paragraph. Further, statement (F) will be followed by statement (A) which mentions a beggar who claims that he was free of sorrow. Statement (A) will then be followed by statement (C). Here, the hint can be drawn from "In fact, he tells...", where "he" has been mentioned for the beggar. Statement (C) will then be followed by statement (E) which further mentions that after his statement the beggar was taken to the king and the beggar questions the kings about the situations that caused him anxiety. Statement (E) will then be followed by statement (B) which states that the king listed all the situations that caused him anxiety. Finally, the paragraph will be concluded by statement (D) which mentions the beggar's reply to the king about reason for his sorrows. Therefore, the correct sequence of the statements given above will be FACEBD.

17. (5) The passage given above is a story of the king who wanted to know if there was anyone in his kingdom who was free of sorrow. Here, statement (F) is the most suitable statement for the introduction of the paragraph. Further,

statement (F) will be followed by statement (A) which mentions a beggar who claims that he was free of sorrow. Statement (A) will then be followed by statement (C). Here, the hint can be drawn from "In fact, he tells...", where "he" has been mentioned for the beggar. Statement (C) will then be followed by statement (E) which further mentions that after his statement the beggar was taken to the king and the beggar questions the kings about the situations that caused him anxiety. Statement (E) will then be followed by statement (B) which states that the king listed all the situations that caused him anxiety. Finally, the paragraph will be concluded by statement (D) which mentions the beggar's reply to the king about reason for his sorrows. Therefore, the correct sequence of the statements given above will be FACEBD.

18. (2) The passage given above is a story of the king who wanted to know if there was anyone in his kingdom who was free of sorrow. Here, statement (F) is the most suitable statement for the introduction of the paragraph. Further, statement (F) will be followed by statement (A) which mentions a beggar who claims that he was free of sorrow. Statement (A) will then be followed by statement (C). Here, the hint can be drawn from "In fact, he tells...", where "he" has been mentioned for the beggar. Statement (C) will then be followed by statement (E) which further mentions that after his statement the beggar was taken to the king and the beggar questions the kings about the situations that caused him anxiety. Statement (E) will then be followed by statement (B) which states that the king listed all the situations that caused him anxiety. Finally, the paragraph will be concluded by statement (D) which mentions the beggar's reply to the king about reason for his sorrows. Therefore, the correct sequence of the statements given above will be FACEBD.
19. (1) The passage given above is a story of the king who wanted to know if there was anyone in his kingdom who was free of sorrow. Here, statement (F) is the most suitable statement for the introduction of the paragraph. Further, statement (F) will be followed by statement (A) which mentions a beggar who claims that he was free of sorrow. Statement (A) will then be followed by statement (C). Here, the hint can be drawn from "In fact, he tells...", where "he" has been mentioned for the beggar. Statement (C) will then be followed by statement (E) which further mentions that after his statement the beggar was taken to the king and the beggar questions the kings about the situations that caused him anxiety. Statement (E) will then be followed by statement (B) which states that the king listed all the situations that caused him anxiety. Finally, the paragraph will be concluded by statement (D) which mentions the beggar's reply to the king about reason for his sorrows. Therefore, the correct sequence of the statements given above will be FACEBD.
20. (2) The passage given above is a story of the king who wanted to know if there was anyone in his kingdom who was free of sorrow. Here, statement (F) is the most suitable statement for the introduction of the paragraph. Further, statement (F) will be followed by statement (A) which mentions a beggar who claims that he was free of sorrow. Statement (A) will then be followed by statement (C).

Here, the hint can be drawn from "In fact, he tells...", where "he" has been mentioned for the beggar. Statement (C) will then be followed by statement (E) which further mentions that after his statement the beggar was taken to the king and the beggar questions the kings about the situations that caused him anxiety. Statement (E) will then be followed by statement (B) which states that the king listed all the situations that caused him anxiety. Finally, the paragraph will be concluded by statement (D) which mentions the beggar's reply to the king about reason for his sorrows. Therefore, the correct sequence of the statements given above will be FACEBD.

21. (2) In the given statement, we will notice that the positions of (B)India and (D)commercial are correct in context of the sentence. But (A)unable and (C)moving have been incorrectly placed and interchanging them will get a grammatically and contextually correct sentence. If someone moves back and forth, they repeatedly move in one direction and then in the opposite direction. Therefore, we get an idea that a word which represents the movement must come before it, The correct statement thus formed will be, "Tesla CEO Elon Musk who has been moving back and forth on his India dream for couple of years and unable to take the next big step now has an invitation from commercial vehicles major Ashok Leyland." Hence, option (b) is the correct answer.
22. (1) In the given statement, we will notice that the positions of (C) airlines and (D) international are correct in context of the sentence. But (A) meeting and (B) aviation have been incorrectly placed and interchanging them will get a grammatically and contextually correct sentence. Held indicates that an event must have taken place therefore "meeting" is the right word to come after this. The correct statement thus formed will be, "Decision comes after aviation Secretary Pradeep Singh Kharola held a meeting with representatives of all airlines to discuss the allocation of international slots." Hence, option (1) is the correct answer.
23. (4) In the given statement, we will notice that the positions of (B)margins and (D)growth are correct in context of the sentence. But (A)measures and (C)expects have been incorrectly placed and interchanging them will get a grammatically and contextually correct sentence. Measures is correct because we are talking about the step that helped in the improvement in FY20. The correct sentence thus formed will be, "The management expects gross margins to improve in FY20, helped by cost-rationalization measures and higher growth in key markets." Hence, option (d) is the correct answer.
24. (3) In the given sentence, we will notice that the positions of (A)volume and (B)topics are correct in the context of the sentence. But (C)popularity and (D)increasingly have been incorrectly placed and interchanging them will get a grammatically and contextually correct sentence. After measure we need something which indicates what is being measured which in this case is "popularity". The correct sentence thus formed will be, "Google Trends provides search volume data for terms and topics over time and is an increasingly relevant measure of popularity in India." Thus, option(c) is the correct answer.

25. (5) All of the words have been correctly placed. So, no replacement is required in the given sentence. Hence, option (e) is the correct answer.
26. (4) "appears to be" is the correct phrase to be replaced making the sentence meaningful and correct. Here in the sentence the subject of the sentence, '...gun system' is singular. Hence option (4) is the correct choice.
27. (2) "renders" should be replaced by "render" to make it grammatically and contextually correct. In the given sentence "the India Meteorological Department and the erratic nature of rainfall" together make a plural subject so the verb followed should be according to the subject. Hence option (2) is the correct choice.
28. (2) Sentence (2) contains an error of subject-verb agreement. These nouns [statistics] appear to be plural (end in s), but generally refer to only one thing and are, therefore, generally considered singular. Hence option (2) is the correct choice.
29. (3) In the second part of the sentence, the word "lived" will be replaced by "has lived" or "has been living" because "is watching" used in first part of the sentence and "has never created" used in the third part of the sentence signify that the sentence is in present tense. Hence, option (2) will be the correct answer.
30. (4) Among the given sentences, sentence (4) contains a grammatical error. It is to be noted When plural nouns do not end in s, the possessiveness of it can be denoted by simply adding apostrophe and an 's' [s] after the noun; however, if the plural noun already ends in s, a mere addition of an apostrophe signifies its possessiveness. Therefore, teacher's should be replaced by teachers'. Hence, option (4) is the most suitable answer choice.
31. (5) $\approx \frac{21}{100} \times 1300 + 5x = \frac{52}{100} \times 4400$
 $273 + 5x = 2288$
 $5x = 2288 - 273$
 $x = \frac{2015}{5}$
 $x = 403$
32. (1) $\approx 3 \times 5 + \frac{55}{5} + x = 78 \times 2$
 $\approx 15 + 11 + x = 156$
 $\approx x = 130$
33. (1) $\approx \frac{4x+30}{25} + 230 = 320$
 $\approx \frac{4x+30}{25} + 230 = 320$
 $\approx \frac{4x+30}{25} = 90$
 $\approx 4x + 30 = 90 \times 25$
 $4x = 2250 - 30$
 $4x = 2220$
 $x = 555$
34. (5) $16\sqrt{?} + 69\sqrt{?} - 10\sqrt{?} \approx \frac{75}{34} \times (?)$
 $75\sqrt{?} = \frac{75}{34} \times (?)$
 $\Rightarrow \sqrt{?} = \frac{?}{34}$
 $\Rightarrow \sqrt{?} = 34$
 $\Rightarrow ? = (34)^2$
 $\Rightarrow ? = 1156$
35. (2) $56.08\% \text{ of } 149.92 + \sqrt{28.02 \times 6.98} - 11\frac{1}{9}\% \text{ of } 998.9 = ?$
 $56\% \text{ of } 150 + \sqrt{28 \times 7} - \frac{1}{9} \times 999 \approx ?$
 $84 + 14 - 111 = -13$

36. (2) $(? \div 78) + 1 = 180 - 2 \times 39$
 $\Rightarrow ? = 7878$

37. (5) $? = (3 - 4 + 6) + \left(\frac{19}{40} + \frac{7}{10} - \frac{3}{8}\right) = 5\frac{4}{5}$

38. (2) $256.04 - 1.01 + 64.06 - 19.09 = ? \text{ of } 50$

$? \times 50 = 300$
 $? = 6$

39. (4) $11 \times ? - 12 \times 11 = 3432$

$? = \frac{3432+132}{11}$

$? = 324$

40. (5) $40.5\% \text{ of } 50 - 8\% \text{ of } 3.125 = ?\% \text{ of } 8$

$\frac{40.5}{100} \times 50 - \frac{8}{100} \times 3.125 = \frac{?}{100} \times 8$

$\frac{2025}{100} - \frac{25}{100} = ? \times \frac{8}{100}$

$? = \frac{2000}{8}$

$? = 250$

41. (3) $129 \quad 97 \quad 81 \quad 73 \quad 69 \quad 67$
 $\quad \quad \quad \swarrow \quad \swarrow \quad \swarrow \quad \swarrow \quad \swarrow$
 $\quad \quad \quad -32 \quad -16 \quad -8 \quad -4 \quad -2$

42. (2) $227 \quad 246 \quad 270 \quad 304 \quad 353 \quad 422$
 $\quad \quad \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow$
 $\quad \quad \quad +19 \quad +24 \quad +34 \quad +49 \quad +69$

43. (4) $11 \quad 32 \quad 74 \quad 158 \quad 326 \quad 662$
 $\quad \quad \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow$
 $\quad \quad \quad +5 \quad +10 \quad +15 \quad +20$
 $\quad \quad \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $\quad \quad \quad 21 \quad 42 \quad 84 \quad 168 \quad 336$
 $\quad \quad \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $\quad \quad \quad \times 2 \quad \times 2 \quad \times 2 \quad \times 2$

44. (5) $81 \quad 80 \quad 158 \quad 471 \quad 1880 \quad 9395$
 $\quad \quad \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $\quad \quad \quad \times 1-1 \quad \times 2-2 \quad \times 3-3 \quad \times 4-4 \quad \times 5-5$

45. (1) $59 \quad 60 \quad 56 \quad 65 \quad 49 \quad 74$
 $\quad \quad \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $\quad \quad \quad +1^2 \quad -2^2 \quad +3^2 \quad -4^2 \quad +5^2$

46. (2) Ratio of profit share of Hemant, Manoj and Mohit
 $= 8000 \times 5 + 6000 \times 3 + 12000 \times 2$
 $= 20:9:12$

Profit share of Mohit out of total profit

$= 8200 \times \frac{5}{100} + 8200 \times \frac{95}{100} \times \frac{12}{41} = \text{Rs. } 2690$

47. (4) probability of getting a sum of 17

or more $= \frac{4}{216} = \frac{1}{54}$

Probability of getting a sum of less

than 17 $= 1 - \frac{1}{54} = \frac{53}{54}$

48. (1) Selling price for first and second

Article $= 840 \times \frac{2300}{2100} = \text{Rs. } 920$

Cost price of First Article

$= 920 \times \frac{100}{115} = \text{Rs. } 800$

49. (3) Second year C.I $= P \left[\left(1 + \frac{R}{100} \right)^2 - 1 \right] - P \times \frac{R}{100}$

$= 6875 \times \frac{11}{25} - 6875 \times \frac{20}{100} = \text{Rs. } 1650$

Required difference $= 1650 \times \frac{20}{100} = \text{Rs. } 330$

50. (2) Quantity of water remained in Container

$= 20 \times \frac{1}{4} = 5 \text{ lit}$

New quantity of water $= 5 + 15 = 20 \text{ lit}$

51. (3) Let total boys in school A = $45x$
and total boys in school B = $52x$

So, girls in school A = $\frac{45x}{54} \times 46$

$$= \frac{5x}{6} \times 46$$

$$= \frac{115x}{3}$$

And girls in school B = $\frac{52x}{52} \times 48 = 48x$

So,

$$45x + 52x + \frac{115}{3}x + 48x = 1100$$

$$135x + 156x + 115x + 144x = 3300$$

$$x = 6$$

Required total number of girls

$$= \frac{115}{3} \times 6 + 48 \times 6$$

$$= 230 + 288$$

$$= 518$$

52. (4) Girls in school A in 2014 = $\frac{288}{48} \times 52 = 312$

Girls in school B in 2014 = $\frac{264}{44} \times 56 = 336$

Required sum = $312 + 336 = 648$

53. (5) Let total boys in school A in 2014 = $4800x$

So total girls in school B in 2012 = $4800x$

Therefore, total boys in school B in 2012 = $5200x$

Girls in school A in 2014 = $\frac{4800}{48} \times x \times 5200 = 5200x$

Required % = $\frac{5200x}{5200x} \times 100 = 100\%$

54. (5) Let girls in school B in 2016 = $50x$

So girls in school A in 2016

$$= 50x \times \left(100\% - 16\frac{4}{5}\%\right)$$

$$= 50x \left(\frac{500-84}{5 \times 100}\right)$$

$$= \frac{208}{5}x$$

Boys in school A in 2016 = $\frac{208x}{5 \times 52} \times 48$

$$= \frac{192}{5}x$$

Boys in school B in 2016 = $50x$

Required ratio = $\frac{192}{5 \times 50} = \frac{96}{125}$

55. (2) Boys in school A in 2015 = $700 \times \frac{62}{100} = 434$

Boys in school B in 2013 = $400 \times \frac{64}{100} = 256$

Required average = $\frac{434+256}{2} = 345$

- 56-60. Number of students selected in Dena bank = $\frac{25}{300} \times 1500 = 125$

Number of students selected in Allahabad bank = $\frac{125}{\left(1 - \frac{50}{300}\right)} = 150$

Number of students selected in Corporation bank = $240 + 35 = 275$

Number of students selected in Canara bank = $275 \times \frac{8}{11} = 200$

Canara bank + Dena bank + SBI = $3 \times 215 = 645$

So, number of students selected in SBI = $645 - (200 + 125) = 320$

Number of students selected in PNB

$$= 1500 - (125 + 240 + 150 + 275 + 200 + 320)$$

$$= 1500 - 1310 = 190$$

56. (2) Required ratio = $\frac{200}{240} = \frac{5}{6}$

57. (1) Required percentage = $\frac{(320-240)}{240} \times 100 = 33.33\%$

58. (1) Required difference = $275 - \frac{(200+190+150)}{3} = 275 - \frac{540}{3}$

$$= 275 - 180 = 95$$

59. (4) Required percentage = $\frac{275}{125} \times 100 = 220\%$

60. (5) Number of students selected in SBI = 320

61. (3) ATQ

Amount received by Akash = $48000 \left[\left(1 + \frac{15}{200}\right)^2 \right]$

$$= Rs\ 55470$$

62. (1) Required probability = $\frac{{}^7C_1 \times {}^9C_2}{{}^{16}C_3} = \frac{7 \times 9 \times 8}{16 \times 15 \times 14}$

$$= \frac{9}{20}$$

63. (4) Let total work be 90 units (LCM)

So, efficiency of A + B = 5 units/days

And efficiency of B + C = 3 units/day

Let efficiency of C = a units/day

So, efficiency of A = $2a$ units/day

ATQ

$$\Rightarrow 2a + B = 5 \quad \dots(i)$$

$$\Rightarrow B + a = 3 \quad \dots(ii)$$

From (i) and (ii)

Efficiency of B = 1 unit/day

$$\therefore \text{required time} = \frac{90}{1} = 90 \text{ days}$$

64. (2) Let speed of Suresh be x kmph and speed of Mukesh be y kmph.

ATQ

$$2 = \frac{300}{x} - \frac{300}{y}$$

$$1 = \frac{150}{x} - \frac{150}{y} \quad \dots(i)$$

$$\Rightarrow \frac{1}{2} = \frac{300}{y} - \frac{300}{2x}$$

$$1 = \frac{600}{y} - \frac{300}{x} \quad \dots(ii)$$

From (i) and (ii)

$$\frac{150}{x} - \frac{150}{y} = \frac{600}{y} - \frac{300}{x}$$

$$\frac{x}{y} = \frac{3}{5}$$

Let $x = 3a$, $y = 5a$

$$\Rightarrow 1 = \frac{150}{3a} - \frac{150}{5a}$$

$$a = 20$$

So $x = 60$ kmph, $y = 100$ kmph

Required difference = $100 - 60 = 40$ kmph

65. (3) Let B invested for x months.

Ratio of profit share of A and B = $\frac{54000 \times 12}{45000 \times x} = \frac{72}{5x}$

Let share of A = $72p$, B = $5xp$

Given, $72p = 22950$

$$p = \frac{1275}{4}$$

And $72p + 5xp = 35700$

$$\frac{1275}{4} [72 + 5x] = 35700$$

$$x = 8$$

\therefore required time = $12 - 8 = 4$ months

66. (3) I: $D > N$ (False) II: $D = N$ (False)

67. (4) I: $Y > A$ (False) II: $C > W$ (False)

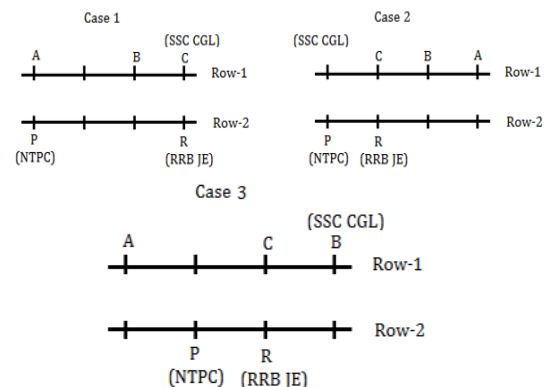
68. (4) I: $I \leq B$ (False) II: $D < J$ (False)

69. (2) I: $X \geq B$ (False) II: $R < H$ (True)

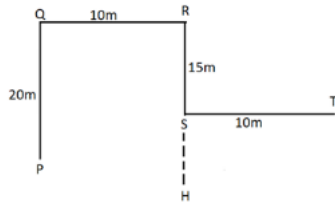
70. (4) I: $V > Z$ (False) II: $Z \geq S$ (False)

- 71-75.

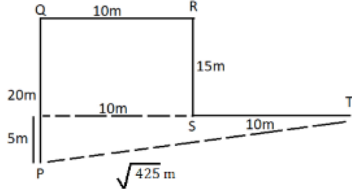
From the given statements, there are two persons sit between A and the one who buys SSC CGL mock. P buys NTPC mock and faces to the one who sits 2nd to the right of B. Here we get three possibilities i.e. Case 1, Case 2 and Case 3. R buys RRB JE and faces to C, who does not sit next to A.



89. (4)



90. (4)



91. (3)

'@8D #2F &0T'

92. (3)

'@K9 @B2 #X3'

93. (4)

'C@9 C@8 D#2 K&0'

94. (3)

'F 8 % 9 B # @ K 9 % 0 B C @ 9 @ B 2 % C @ 8 D # 2 F G K & 0 T # X 3 % \$ R @ G'

95. (5)

96-99.

The one who gets second highest salary earns Rs 51000 per month. P earns more than U and Q but less than R. P earn less than Rs 51000 per month.

$$R > P > U/Q \\ > (\text{Rs } 51000) > > > >$$

The one who earn Rs 12000 less than T is the one, who earns second lowest salary. R earn just more than T but not Rs 51000. Neither U nor S earns the second lowest monthly salary. U earns more than S.

$$R > T (\text{Rs } 51000) > P > U > Q (\text{Rs } 39000) > S$$

96. (4)

97. (1)

98. (2)

99. (2)

100. (1)

E	X	T	E	N	D	E	D
5	24	20	5	14	4	5	4