## SBI PO Preliminary -2021. SBPP-2021-100020

## **HINTS & SOLUTIONS**

19.(1)

20.(4)

21.(4)

26.(3) 28.(2)

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

## HINTS & SOLUTIONS

| 1-5.   | The correct sequence is EDACFB.                              |  |  |  |  |  |
|--------|--|--|--|--|--|--|
| 1.(5)  | 2.(2)  |  |  |  |  |  |
| 3.(1)  | 4.(2) 5.(5)  |  |  |  |  |  |
| 6.(4)  | 'evading, absence' is the correct use.                       |  |  |  |  |  |
|        | Evading means escape or avoid (someone or something),        |  |  |  |  |  |
|        | especially by guile or trickery.                             |  |  |  |  |  |
| 7.(2)  | 'decided, assurance' is the correct use.                     |  |  |  |  |  |
|        | Assurance means a positive declaration intended to give      |  |  |  |  |  |
|        | confidence; a promise.                                       |  |  |  |  |  |
| 8.(3)  | 9.(4) 10.(1)   |  |  |  |  |  |
| 11.(2) |  |  |  |  |  |  |
|        | patience 'with' people and not 'to' people.                  |  |  |  |  |  |
| 12.(4) | The same friend is both a singer and a scientist. So it      |  |  |  |  |  |
|        | should be 'who is a singer and scientist'.                   |  |  |  |  |  |
| 13.(3) | Incorrect preposition is used. We abstain 'from'             |  |  |  |  |  |
|        | something.   |  |  |  |  |  |
| 14.(4) | 'Have' must replace 'has' as 'best players' are referred to. |  |  |  |  |  |
| 15.(2) | Charges are 'levelled' against a person, not 'levied'.       |  |  |  |  |  |
| 16.(1) | It is said in the 1st paragraph that they never have seemed  |  |  |  |  |  |

to realize the importance of the experiment and author also mentions in the same paragraph that crudeness of their instruments of measurement is just an excuse which makes option (3) incorrect hence option (1) is the correct option.

🥼 RACE

- 17.(2) Metamorphosingthe problems of physics into the problems of mathematics constitutes the essential characteristic of the Newtonian method and because of which he was considered the greatest scientist.
- 18.(3) Prior to Newton, mathematics, chiefly in the form of geometry, had been studied as a fine art without any view to its physical applications but Newton's method changed the pattern. Refer to the 3rd paragraph of the passage, "But here again the real significance of Newton's achievement lay not so much in the exact quantitative formulation of the law of attraction, as in his having established the presence of law and order at least in one important realm of nature, namely, in the motions of heavenly bodies"

Refer to the 4th paragraph of the passage, "Einstein's special principle, by adding increased emphasis to this relativity of velocity, making absolute velocity metaphysically meaningless,"

- Option (4) is the correct choice as it best explains the theme of the passage.
- Metamorphosed means change or cause to change completely in form or nature hence stagnant is the word most opposite in meaning.
- 22.(2) **Resort** means something that one uses to accomplish an end especially when the usual means is not available hence imprudent is the word most opposite in meaning.
- 23.(4) Adherent means someone who supports a particular party, person, or set of ideas hence adversary is the word most opposite in meaning.
- 24.(3) Conceived means form or devise (a plan or idea) in the mind hence contrive is the word most similar in meaning.
   25.(1) Emphasis means special importance, value, or
  - **Emphasis** means special importance, value, or prominence given to something hence accentuation is the word most similar in meaning.

- 31.(4) Required percentage =  $\frac{100}{50} \times 100 = 100\%$ .
- 32.(4) Average production of TATA =  $\frac{60 + 90 + 50 + 100 + 80}{5}$

$$= \frac{-5}{5} = 76 \text{ lakh}$$
  
Mahindra 
$$= \frac{50 + 70 + 70 + 80 + 100}{5} = \frac{370}{5} = 74 \text{ lakh}$$
  
Suzuki 
$$= \frac{70 + 80 + 90 + 70 + 70}{5} = \frac{380}{5} = 76 \text{ lakh}$$

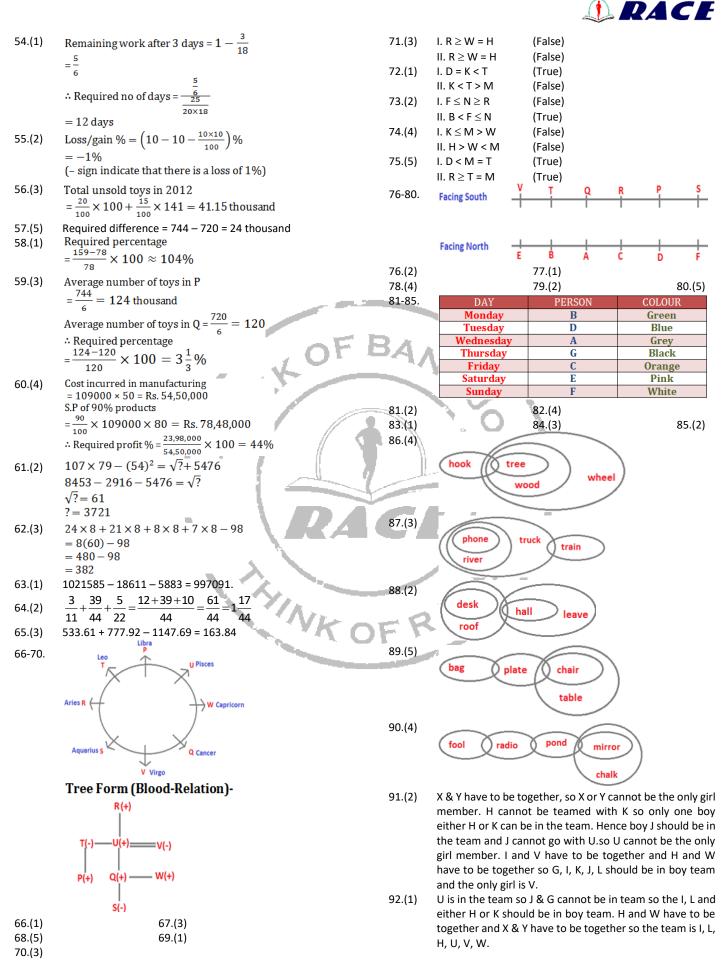
- 33.(2) Percentage rise or fall in the production of Mahindra in different years For year 2010 =  $\frac{70-50}{50} \times 100 = 40\%$ (maximum)
  - For year 2010 =  $\frac{70}{50} \times 100 = 40\%$  (maximum For year 2011 =  $\frac{70-70}{70} \times 100 = 0$ For year 2012 =  $\frac{80-70}{70} \times 100 = \frac{100}{7} = 14\frac{2}{7}\%$ For year 2013 =  $\frac{100-80}{80} \times 100 = 25\%$



34.(2)
 The percentage of production of company Mahindra
 44.(3)
 x = -1.909;

 For year 2009
 
$$\frac{50}{10} \times 100$$
 45.(3)
 x = 1.3 (app Therefore X = 13 (app The

4.(3) 
$$x = -1.909; y = +7.0227;$$
  
Therefore x < y.  
5.(3)  $x = 13$  (approx.);  $y = 14, 15$   
Therefore x < y.  
5.(5) Bob's present age = x  
Abby's present age = (x + 8) years  
 $\frac{x+4}{x+12} = \frac{4}{5};$   
 $x = 28years$   
7.(4) C's investment = x  
Ratio = (17600 × 12): (12800 × 12) : x × 8  
 $= 26400 : 19200 : x$   
 $\therefore 11000 = \frac{x \times 36800}{6200 + 19200 + x};$   
 $x = 20,000 Rs.$   
8.(2) Distance covered in 2 hours =  $62 \times 2 = 124$  km  
Distance remaining = ( $827 - 124$ ) = 703 km  
Required time =  $\frac{703}{62+59}$   
 $= \frac{703}{121}$  hour  
 $= 5$  hrs 48 min  
Hence they will meet 12 : 48 pm.  
9.(2) Let Leena had a sum of money = x Rs.  
Sum invested by her in scheme  $x = \frac{5x}{11};$   
Sum invested by her in scheme  $x = \frac{5x}{11};$   
Sum invested by her in scheme  $x = \frac{5x}{11};$   
 $\therefore \frac{5x}{13} \times \frac{6x19}{100} - \frac{6x}{11} \left[ \left(1 + \frac{20}{100}\right)^2 - 1 \right] = 1518;$   
 $x = 6050 Rs.$   
 $\therefore$  Required amount =  $\frac{6050 \times 5}{11};$   
 $= 2750 Rs.$   
Let radius = r cm  
Height = h cm  
 $\frac{2\pi + h + 2\pi + 7}{2\pi + h} = \frac{5}{4};$   
 $h^2 = \frac{1232 \times 7x4}{2 \times 22} = 784;$   
 $h = 28 \text{ cm}$   
Probability of first ball to be red  
 $= \frac{5c_1}{15c_1} = \frac{5}{15} = \frac{1}{3};$   
Probability of first ball to be yellow  
 $= \frac{7c_1}{14c_1} = \frac{7}{14} = \frac{1}{2};$   
 $\therefore$  Required probability  $= \frac{1}{3} \times \frac{1}{2} = \frac{1}{6};$   
2.(2) Let the new average age of the class = x years  
 $\therefore 48 \times (x - 2.5) - 60 = (48 - 12 + 8) \times x;$   
 $4x = 180;$   
 $x = 609x = \frac{2500}{100} = 0.6x;$   
Number of candidates passed in English  
 $= x \times 609x = \frac{2500}{100} = 0.6x;$   
Number of candidates passed in mathematics = 0.7x;  
Number of candidates passed in taleast one subject = x - 0.2x;  
 $= 0.8x;$   
According to questions.  
 $0.6x + 0.7x - 2500 = 0.8x;$   
 $1.3x - 0.8x = 2500;$   
 $0.5x = 2500, x = \frac{2500}{0.5x} = 5000;$ 





- 93.(2) if I is in the team so V should also be there and the other girl can be U or W Because I cannot go with X. If the other girl is W so the team is G, H, I ,J, V, W but if the other girl is U, the team cannot be defined.
- 94.(2) K is in the team so H and W cannot be in the team. For completing four boys in the team, G & J have to be there.so U cannot be in team. X and Y have to be together so X & Y are in the team and boys are K, G, J, and L.
- 95.(3) For completing four girls in the team, X & Y should be there.so I and V cannot be in the team. Hence the other girl members are U & W. so the boys team are H and L.

