

RRB NTPC MODEL PAPER

www.splessons.com



1. The Tirthankara's are a related to	6. Security Council of the UN comprises of 10
A) Jainism	non-permanent members and their tenure is
B) Buddhism	A) 5 years
C) Hinduism	B) 4 years
D) Sikhism	C) 3 years
2. "Grey revolution" is related with	D) 2 years
A) Petroleum	7. What is impulse equal to?
) B) Fertilizer production	A) Change in momentum
c) Overall development of agriculture	B) Change in force
D) Leather production	C) Change in velocity
3. Who was the First Indian women to win	D) Change in acceleration
"miss world" title?	8. Lal Bahadur Shastri is also known as
A) Raita faria Powell	A) Guru ji
B) Sushmita Sen	B) Man of Peace
C) Aishwarya Rai	C) Punjab Kesari
D) Lara Dutta	D) Mahatma
4. Who is authored the book "straight from the Heart"	9. Which of the following disease is not affected by bacteria?
A) Kapil Dev	A) Anthrax
B) Kapil sibal	В) Т.В
C) Kapil Sri Mohan	C) Rubella
D) None	D) Cholera
5. IC chips for computers are generally made of	10. Jama Masjid in Delhi was constructed by
A) Silicon	A) Firoz Shan Tughlaq
B) Lead	B) Shan Jhan
C) Chromium	C) Aurangzeb
D) Gold	D) Sher Shan Suri







11. Which software has "spread sheets"?	A) Sound
A) Power point	B) Light
B) Microsoft work	C) Ships Speed
C) Windows media player	D) Aero plans Speed
D) Microsoft Excel	16. Pradhan Mantri Surakhit matriwa Abhiya
12. According to Dr.Ambedkar which article is the most important article of Indian	Provides facility of free health check-up and Required treatment on day of every month
Constitution?	A) 1st
A) Article 21	B) 9th
B) Article 24	C) 15th
C) Article 32	D) 30th
D) Article 256	17. Which is the highest quality of hard coal?
13. How many seats are reserved for women in	A) Anthracite
Municipality?	B) Bituminous
A) $\frac{1}{5}$	C) Lignite
B) $\frac{1}{7}$	D) Peat
C) $\frac{1}{3}$	18. How many Indian states chare their
	boundaries with Nepal?
D) $\frac{1}{4}$	A) 3
14. Which of the following bank has launched India's first Comprehensive digital service	B) 4
platform, YONO, Which stands for "You Only	C) 8
Need One"	D) 5
A) SBI	19. Who built the roup of Moments at
B) ICICI BANK	Mahabalipuram?
C) DENA BANK	A) Chola Kings
D) CANARA BANK	B) Pallava Kings
15. The word "Mach" is used to measure	C) Chera Kings







	· · · · · · · · · · · · · · · · · · ·
D) Chalukya Kings	A) Fifth
20. India's Population is what percentage of	B) Sixth
the world population?	C) Third
A) 8%	D) Ninth
B) 17%	25. The Headquarters of UNESCO is in
C) 26%	A) New yark
D) 36%	B) Hague
21. Who among the following Governor	C) Paris
General Framed the triple alliance against Tipu Sultan?	D) Moscow
A) Warren Hastings	26. How many Countries participated in the
B) Lord Cornwallis	world cup cricket 2019?
D) Lord Wellesley	A) 10 TM
D) Lord William Bentinck	B) 15
22. Which state is known as the "Spice Garden	C) 12
of India"?	D) 14
A) Kerala	27. Kilowatt -hour is the unit of
B) Karateka	A) Energy
C) Andhra Pradesh	B) Power
D) Tamil Nadu	C) Force
23. Which of the following technological	D) Momentum
inventions came first?	28. The smallest planet in solar system is
A) Telegraph	A) Venus
B) Telescope	B) Mercury
C) Telephone	C) Jupiter
D) Teletype	D) Mars
24. During which five year planning was NABARD Established	29. Name the commission that came to India in 1928 to return India's Constitution system?







	· · · · · · · · · · · · · · · · · · ·
A) Rowlett Act	D) None
B) Pitt's India Act C) Partition of Bengal	34. The minimum age limit for the membership
	of the Vidhan Parishad is
D) Siman Commission	A) 21 years
30. "Atal Pension Yojana"(APS), a schema	B) 25 years
focused on Works in the "Un organized Sector", was launched in	C) 30 years
	D) 35 years
A) 2014	35. Who raised the slogan "Swaraj is my
B) 2015	birthright and I shall have it"?
C) 2017	A) Mahatma Gandhi
D) 2018	B) BAL Gangadhar Tilak
31. Who is the chief election commissioner of India as of now?	C) Subhas Chandra Bose
	D) Lala Lajpat Raj
A) Achal Kumar Joti	36. Which of the following indicates the circle
B) Naseem Zaidi	of the Saranath pillar?
C) Om Prakash Rawat	A) Law
D) H.S Brahma	B) Revolution
32. National Handloom Day is celebrated on	C) Progress
A) 4th August	D) Religion
B) 5TH August	37. The largest Herbarium of India is located at
C) 6th August	A) Kolkata
D) 7th August	B) Lucknow
33. Who was the chairman of the state's	C) Mumbai
Reorganization commission?	D) Coimbatore
A) H.N Kusru	38. Which one of the following soils is suitable
B) K.M. Pannikar	for cotton production?
C) Syed fazel Ali	A) Regur
	1







B) Red

C) Bhangar

D) Khadar

39. Kaildhara falls is situated on which river?

A) Tapi

B) Sarasvati

C) Narmada

D) Indrāvati

40. Which of the following is Inexhaustible National Resources?

A) Air

B) Minerals

C) Forest

D) Coal

41. AD, CE, EF, GG?

A) II

B) IH

C) HI

D) IJ

42. Find the missing one

336	170	748
523	85	349
431	5	328

A) 33

B) 34

C) 36



D) 37

43. In the following question, by using which mathematical operator will the Expression becomes correct?

30? 6? 4? 5? 4

A) -, +, × and +

B) +, =, \times and -

C) =, ×, + and -

D) -, +, = and \times

44. PEN =613 and STRING=580934 Then RIPPENING?

A) 09631934

B) 09163934

C) 09316934

D) 09613934

45. A boy leaves his school and travels 8km towards the east. He takes a left turn and travels 6km in that direction, and Then turns towards the east and travels another 5km. finally, he turns right and travels 10km. in which direction is he now from his school

- A) South-east
- B) West
- C) East
- D) North-East

46. Arrange the words asper the dictionary

i) preview ii) preventive iii) prefer iv) Preformation

A) iii, ii, i, iv





B) iv, iii, i, ii

C) iii, iv, ii, i

D) iii , I ,ii , iv

47. Identify the diagram that dest represents relationship among the given classes

Vegetable, park, carrot

A)



B)



C)



D)



48. In a certain language, "HAMMER" is written as "MAHERM" How is "MATTER" written in that code language?

A) TREMAT

B) TAMERT

C) TAEMRT

D) TARMET

49. Statements: i) Some bags are hot ii) All hot things are cakes

Conclusion: I) All cakes are bags

ii) All bags are cakes

- A) Conclusion I follow
- B) Conclusion II follows
- C) Neither one Nor II follows
- D) Both I and II follows

50. Find the odd one

- A) Mustard gas
- B) Gasoline
- C) Diesel
- D) Natural gas
- 51.9, 1331, 18, 121, 27,?
- A) 19
- B) 11
- C) 17
- D) 13

52. Clever: Smart: Apprehensive:?

- A) Calm
- B) Certain
- C) Worried
- D) Confident

53. Rahul's age is three times the age of Sumit.If Rahul is 15 years old presently,







determine the age (in years) of Sumit after 12 A) FJEX B) UXTV C) IMHN D) PTOU 58. If # means "Subtraction", & means "division", @ means "addition" and % means "Multiplication", then 315&3#9@4%6=? A) 120 B) 190 C) 221 D) 420 59. Statements: No dog is a cat 55. Introducing women, a boy says, "She is the wife of my Grandfather's son". My grandfather All hens are cats has only one child. How is the woman related Some cats are hen Conclusions: I) No hen is a dog II) At least some caps are cats. A) Only conclusion I is true B) Neither I nor II is true C) Only Conclusion II is true 56. In a class 42 students, Swati's rank is 19th from the bottom. Purshottom is 6 ranks below D) Both conclusions I&II are true Swati. What is Purshottam's rank from the 60. Find the missing one m -Q -C - M - Q - CM A) QCMCQ B) CQMCQ C) CQCMQ D) CQMQC 57. Select the odd one from the given



alternatives

years

A) 16

B) 15

C) 10

D) 17

A) GHI

B) HGH

C) HHX

D) IGV

to the boy?

A) Aunt

B) Wife

top?

A) 30th

B) 32nd

C) 33rd

D) 34th

C) Mother

D) Can't determined

54. QRU: RQF::GIC: ?





61. If a mirror is placed on the line MN, then which of the Answer Figures is the right Image of the given figure?



A)



B)



C)



D)



62. A batsman of England cricket team in his 17th innings makes a score 85 runs and thereby, Increase his Average by 3 runs. What is his average after the 17th innings? He had never been "Not out".

A) 47

B) 37

C) 39



63. Aladder is resisting a wall at a height of 10 m. If the ladder is inclined with the ground at an angle of 30 , then the distance of the foot of the ladder from the wall is

A)
$$\frac{10}{\sqrt{3}}m$$

B) $\frac{20}{\sqrt{3}}m$
C) $10\sqrt{3}m$
D) $20\sqrt{3}m$
64. Factories $x^2 + 3x - 18$
A) (x+18) (x+1)
B) (X+1) (x+18)
C) (x+6) (x-3)
D) (x+6) (x+3)

65. Rohit walks at 17 km/hr. and Ruchita cycles at 22 km/hr. towards each other .What was the distance between them when they started if they meet after 44 minutes?

- A) 42.9km
- B) 35.8km
- C) 21.5km
- D) 28.6km

66. If the sum of roots of a quadratic equation is - and product of the roots is 12.Find the quadratic Equation.

A)
$$x^2 + 7x + 12 = 0$$

B)
$$x^2 - 7x + 12 = 0$$

C) $x^2 - 7x - 12 = 0$







D) $x^2 + 7x - 12 = 0$

67. 20% discount is offered on an item .By applying promo code the customer wins 10% cashback .What is the Effective discount?

A) 30.8%

B) 30%

C) 12%

D) 28%

68. The first and last terms of arithmetic progressions are 32 and -43. If the sum of the series is -88, then it has how many terms?

A) 16

B) 15

C) 17

D) 14

69. In what ratio the segment joining (12,-1) and (-3, 4) divided by Y axis?

A) 4:1

B) 1:4

C) 4:3

D) 3:4

70. The cost price of a table is Rs 3,200.A merchant wants to make 25% profit by selling it.At the time of sale he declares a discount of 20% on the market price. The marked price is

A) 5,500

B) 5,000

C) 6,000

D) 4,000

71. A certain amount of money is divided among X, Y and Z. If X receives 25% more than Y and Y receives 25% less than Z, then X: Y: Z is equal to

A) 14:12:13

B) 15:12:16

C) 10:9:12

D) 12:10:11

72. Having the same capacity a taps fill up a water tank in 20 minutes. How many taps of the same capacity are required to fill up the same water tank in 15 minutes?

A) 10

B) 12 TM C) 15 D) 18

73. In an examination, 35% of the candidates failed in mathematics and 25% in English. If 10% failed in both mathematics and English, then how much percent of candidates passed in both the subjects?

- A) 50%
- B) 55%
- C) 57%
- D) 60%

74. Mohan gets 3 marks for each correct sum and losses 2 marks for each wrong sum. He attempt 30 sums and obtain 40 marks the number of sums solved correctly is

A) 15

B) 20





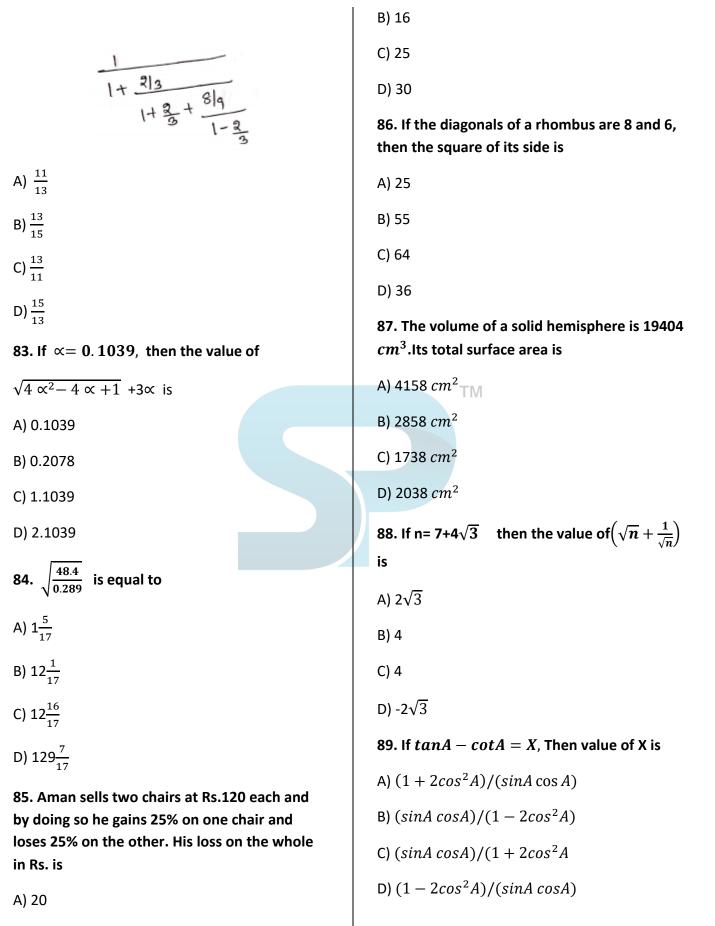


C) 25	~
D) 10	122 5 12
75. What is the mode of the following numbers?	mo ?
1, 2, 4, 6, 4, 3, 5, 4	A) 54
A) 1	B) 51
B) 2	C) 48
C) 3	D) 44
D) 4	79. The difference between a position proper
76. Find median of the dates 27, 39, 49, 20,	fraction and its reciprocal is $\frac{9}{20}$.The fraction
21,28 38	A) $\frac{3}{5}$
A) 49	B) $\frac{3}{10}$ TM
B) 21	C) $\frac{4}{5}$
C) 28	
D) 38	D) $\frac{5}{4}$
77. How many triangles are there in the following figures?	80. Three numbers re in the ratio of 3:4:5 and their LCM is 2400, Their HCF is
	A) 40
	B) 80
	C) 120
A) 16	D) 200
B) 18	81. The value of $\frac{(2.3)^3 - 0.27}{(2.3)^2 + .69 + .09}$ is
C) 20	
D) 22	A) 0
78. Find the missing one	B) 1.6
	C) 2
	D) 3.4















90. A student multiplied a number by $\frac{4}{5}$ instead	A) 12 days
of $\frac{5}{4}$ what is the percentage error in the	B) 15 days
calculation	C) 16 days
A) 56.25%	D) 13 days
B) 18%	95. Convert the decimal fraction into $\frac{p}{a}$ from
C) 28.13%	0. 257
D) 36%	
91. Two rice varieties costing Rs 20 per Kg and	A) $\frac{19}{66}$
Rs30 per kg were mixed as 2:3 and sold as to gain 10% what was the SP of the mixture?	B) $\frac{25}{99}$
A) 31.2	C) $\frac{19}{99}$
B) 28.6	D) $\frac{17}{66}$
C) 30	96. The first Europeans to come to India were
D) 26	A) British
92. What is the remainder when (x ¹¹ +1) is	B) Dutch
divided by (x+1)	
	C) French
A) 0	
A) 0 B) 2	D) Portuguese
B) 2	D) Portuguese 97. Who was the first Indian to become
B) 2 C) 11	D) Portuguese 97. Who was the first Indian to become member of British Parliament?
B) 2 C) 11 D) 12	D) Portuguese 97. Who was the first Indian to become member of British Parliament? A) Badruddin Tyabji
B) 2 C) 11 D) 12 93. The unit digit in the product (122)¹⁷³is	 D) Portuguese 97. Who was the first Indian to become member of British Parliament? A) Badruddin Tyabji B) W.C.Bannerjee
B) 2 C) 11 D) 12 93. The unit digit in the product (122)¹⁷³is A) 4	 D) Portuguese 97. Who was the first Indian to become member of British Parliament? A) Badruddin Tyabji B) W.C.Bannerjee C) D.N.Wacha
 B) 2 C) 11 D) 12 93. The unit digit in the product (122)¹⁷³is A) 4 B) 2 	 D) Portuguese 97. Who was the first Indian to become member of British Parliament? A) Badruddin Tyabji B) W.C.Bannerjee C) D.N.Wacha D) Dada Bhai Naoroll
 B) 2 C) 11 D) 12 93. The unit digit in the product (122)¹⁷³is A) 4 B) 2 C) 6 D) 8 94. Kamal will complete work in 20 days. If 	 D) Portuguese 97. Who was the first Indian to become member of British Parliament? A) Badruddin Tyabji B) W.C.Bannerjee C) D.N.Wacha D) Dada Bhai Naoroll 98. Sand stone is which type of rock?
B) 2 C) 11 D) 12 93. The unit digit in the product (122)¹⁷³is A) 4 B) 2 C) 6 D) 8	 D) Portuguese 97. Who was the first Indian to become member of British Parliament? A) Badruddin Tyabji B) W.C.Bannerjee C) D.N.Wacha D) Dada Bhai Naoroll 98. Sand stone is which type of rock? A) Calcareous Rock







D) Sedimentary Rock 99. Ganga is result of confluence of rivers Bhagirathi and Alakananda at which place? A) Deva Prayag B) Karan Prayag C) Gangotri D) Rudra Prayog 100. Who was the last Mughal Emperor? A) Babur B) Noor Jehan C) Akbar ΤM D) Bahadur Shan II







	•	
SOLUTIONS:	India's Population is 17.74% of total world population	
1. Answer, A	21. Answer , B	
2. Answer, B		
3. Answer, A	22. Answer, A	
In the year of 1966	23. Answer , B	
4. Answer, A	24. Answer , B	
5. Answer, A	25. Answer , C	
6. Answer , D	26. Answer , A	
7. Answer, A	2019- 10 Countries	
8. Answer , B	2015- 14 countries	
9. Answer, C	2011- 14 countries	
Rubella is caused by rubella virus	27. Answer, A ^M	
10. Answer , B	28. Answer, B	
11. Answer , D	29. Answer , D	
12. Answer , C	30. Answer , B	
13. Answer, C	31. Answer , C	
14. Answer , A	32. Answer , D	
15. Answer , D	33. Answer , C	
1 Mach =1195 km/hr. (or) 717 miles/hour	State Reorganization Commission was formed by Government of India in 1953	
16. Answer , B	34. Answer , C	
17. Answer, A	35. Answer , B	
18. Answer , D	36. Answer , C	
Five states Bihar, U.P, Uttarakhand, and West Bengal, Sikkim	37. Answer, A	
19. Answer , B	The largest herbarium in India is Indian Botanical Garden, Kolkata. It consists of	
20. Answer , B	1000000 numbers of Specimens.	







38. Answer, A

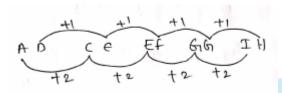
Black soils known as regur it is suitable for cotton productions

39. Answer, C

Kapildhara waterfall is located on the Amarkantak district of the central Indian State of Madhya Pradesh. It is situated on Narmada River.

40. Answer, A

41. Answer, B



42. Answer, C

7×4×8-3×3×6 = 170 3×4×9-5×2×3 = 78 3×2×8-4×3×1 = 36

43. Answer, C

30-6= 4*5+4

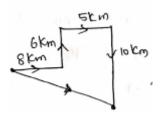
24=20+4

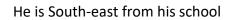
24+24

44. Answer, D

PEN STRING HEAR, RIPENING 613 580934 09613934

45. Answer, A



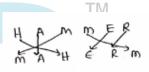


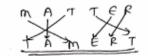
46. Answer, C

47. Answer, C

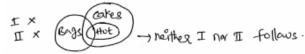








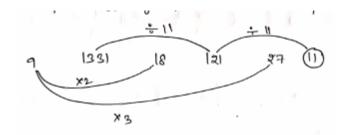
49. Answer, C



50. Answer, A

Except mustard gas, all are crude oil products.

51. Answer, B



52. Answer, C







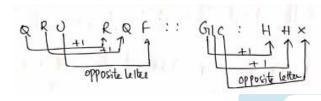
Synonym of Apprehensive--worried

53. Answer, D

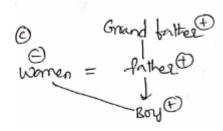
Rahul: Sumit

After 12 years =12+5=17 years

54. Answer, C



55. Answer, C



Women is the mother of the boy

56. Answer, A

Swati's rank from bottom=19

Purshottam rank from bottom=19-6

=13

Purshottam rank from the top=42-13+1

=30

57. Answer, B

+4, -5, +6 series expect UXTV



58. Answer, A

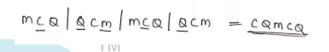
=129-9

=120

59. Answer, D



60. Answer, B



61. Answer, D

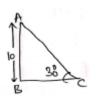
62. Answer, B

Average Score before 17th innings=85-(3 \times 177) =34

Average score after 17th innings=34+3

= 37

63. Answer, C



$$\frac{AB}{BC} = tan30^{\circ} \Rightarrow \frac{10}{BC} = \frac{1}{\sqrt{3}} \Rightarrow BC = 10\sqrt{3m}$$

64. Answer, C

$$x^{2} + 3x - 18 = x^{2} + 6x - 3x - 18$$

= x(x + 6) - 3(x + 6)
= (x + 6)(x - 3)





65. Answer, D

$$Time = \frac{distance}{Relative speed}$$
$$\frac{44}{60} = \frac{X}{39} \Rightarrow x = 28.6$$

66. Answer, A

X²-(Sum of roots) x + Product of roots=0

 \Rightarrow x²-7x+12=0

67. Answer, D

Effective discount =-20-10+2

=28%

68. Answer, A

$$Sum = \frac{n}{2} [First term + last term]$$

$$-88 = \frac{n}{2}[32 - 43] \Rightarrow -176 = n(-11)$$

n = 16

$$X = \frac{(m a_2 + n a_1)}{(m + n)} = \frac{m (-3) + 12(n)}{m + n}$$

$$\implies m \cdot n = 4 \cdot 1$$

69. Answer, A

Let the dividing ratio m: n

$$X = \frac{mx_{2+nx_1}}{(m+n)} \quad 0 = \frac{m(-3) + 12(n)}{m+n}$$

⇒ M: n=4:1



70. Answer, B

M.P of table =
$$3200 \times \frac{125}{100} \times \frac{100}{80}$$

71. Answer, B

$$x = \frac{125}{100}y; \quad x: y = 5:4 \quad y = \frac{75}{100}z; \quad y: z = 3:4$$

x: y: z = 15: 12: 16

72. Answer, B

$$9 \times 20 = x = 15$$
 , $x = 12$

73. Answer, A

Venn diagram is shown below

Failed candidates in Mathematics=35%

Failed candidates in English=25%

% of passed Candidates in both subjects

=100-(25+10+15)

= 50%

74. Answer, B

Total marks = $30 \times 3 = 90$

90-40=50

Wrong Questions= $\frac{50}{3+2} = 10$

Correct questions=20





75. Answer, D

The mode is the value which appears the most often in the data

76. Answer, C

Series - 26, 21, 2/7, 28, 38, 39, 49

77. Answer, B

78. Answer, A

Pattern given in fig is as follows.

 $5 \times 2 + L = |2$ $|2 \times 2 + 2 = 2|$ $26 \times 2 + 2 = 54$ $54 \times 2 + 2 = 10$ $|10 \times 2 + 2 = 222$

79. Answer, C

Let the required fraction be x, then $\frac{1}{x} - x = \frac{9}{20}$

$$\frac{1-x^2}{x} = \frac{9}{20}$$

By solving it x= $\frac{4}{5}$

80. Answer, A

Let numbers 3x, 4x, 5x LCM=60x, $\Rightarrow 60x=2450$

X=40

The numbers $=3 \times 40 = 120$

 $4 \times 40 = 160$

$$5 \times 40 = 200$$

Hence, Req H.C.F=40

81. Answer, C



$$\frac{(2.3)^3 - (0.3)^3}{(2.3)^2 + (2.3 \times 0.3) + (0.3)^2} = \frac{a^3 - b^3}{a^2 + ab + b^2} = (a - b)$$

$$= 2.3 - 0.3 = 2$$

82. Answer, B

83. Answer, C

$$\sqrt{4 \propto^2 - 4 \propto +1} + 3 \propto$$

$$\sqrt{(1 - 2 \propto)^2} + 3 \propto$$

$$= 1 - 2 \propto +3 \propto$$

$$= 1 + \alpha$$

$$= 1.1039$$

84. Answer, CM

$$\sqrt{\frac{48.4}{0.289}} = \sqrt{\frac{48.400}{0.289}} = \sqrt{\frac{48400}{289}} = \frac{220}{17} = 12\frac{16}{19}$$

85. Answer, B
Loss %=
$$\left(\frac{x}{10}\right)^2 = (2.5)^2 = 6.25\%$$

 $C.P = 240 \times \frac{100}{93.75} = 256$
 $S.P = 240$
 $loss = 16$

86. Answer, A

$$D_1^2 + D_2^2 = 4a^2 \Rightarrow 64 + 36 = 4a^2 \Rightarrow a^2 = 25$$

87. Answer, A
 $\frac{2}{3}\pi r^3 = 19404$
R=21cm





Total surface area = $3\pi^2 = 4158 \ cm^2$

88. Answer, B

n=7+4
$$\sqrt{3}$$
 = 4 + 3 + 2 × 2 × $\sqrt{3}$ = $(2 + \sqrt{3})^2$
 \sqrt{n} = 2 + $\sqrt{3}$; $\frac{1}{\sqrt{n}}$ = 2 - $\sqrt{3}$ $\left(\sqrt{n} + \frac{1}{\sqrt{n}}\right)$ = 4

89. Answer, D

 $\tan A \cdot \cot A = x \Rightarrow \frac{\sin A}{\cos A} - \frac{\cos A}{\sin A} = \frac{\sin^2 A - \cos^2 A}{\sin A \cos A} = x$ $\Rightarrow \frac{1 - 2\cos^2 A}{\sin A \cos A} = x$

90. Answer, D

Let number be 20 x (LCM of 4&5)

Wrong multiplication= $20x \times \frac{4}{5} = 16x$ Actual multiplication= $20x \times \frac{5}{4} = 25x$

 $\% error = \frac{25x - 16x}{25x} \times 100 = 36\%$

91. Answer, B

C.P of the mixture= $\frac{(20\times2)+(30\times3)}{5} = 26$

 $S.P = 1.1 \times 26 = 28.6$

92. Answer, A

93. Answer, B

Power of $(122)^{173}$ is odd number

 \therefore Unit digit in the product of $(122)^{173} = 2$

94. Answer, C

Kamal's one day work= $\frac{1}{20}$; Suresh one day work= $\frac{1}{20} \times \frac{125}{100} = \frac{1}{16}$

Suresh can complete the work in 16 days.

95. Answer, D





- $0.257 = \frac{255}{990} = \frac{17}{66}$
- **96.** Answer, D
- **97. Answer**, D
- 98. Answer, D
- 99. Answer, A
- 100. Answer, D

TM