

नवीनतम TCS पॅटर्नवर आधारित

रेल्वे

गणित



खालील परिक्षांसाठी उपयुक्त

RRB ALP/तंत्रज्ञ, RRB NTPC, RRB ग्रुप D,
RRB JE आणि इतर सर्व रेल्वे परीक्षांसाठी उपयुक्त



महत्वाची वैशिष्टे

- समाविष्ट विषय
अंकगणित, प्रगत गणित, माहिती विश्लेषण
- उत्तम संकल्पनात्मक आकलनासाठी सरलीकृत भाषा
- नवीनतम अभ्यासक्रमाचा व्यापक समावेश



धड्यानुसार:
PYQS आणि MCQS



मागील वर्षांचे प्रश्न
(2016 पासून ते पुढे)



पवन देशपांडे सर

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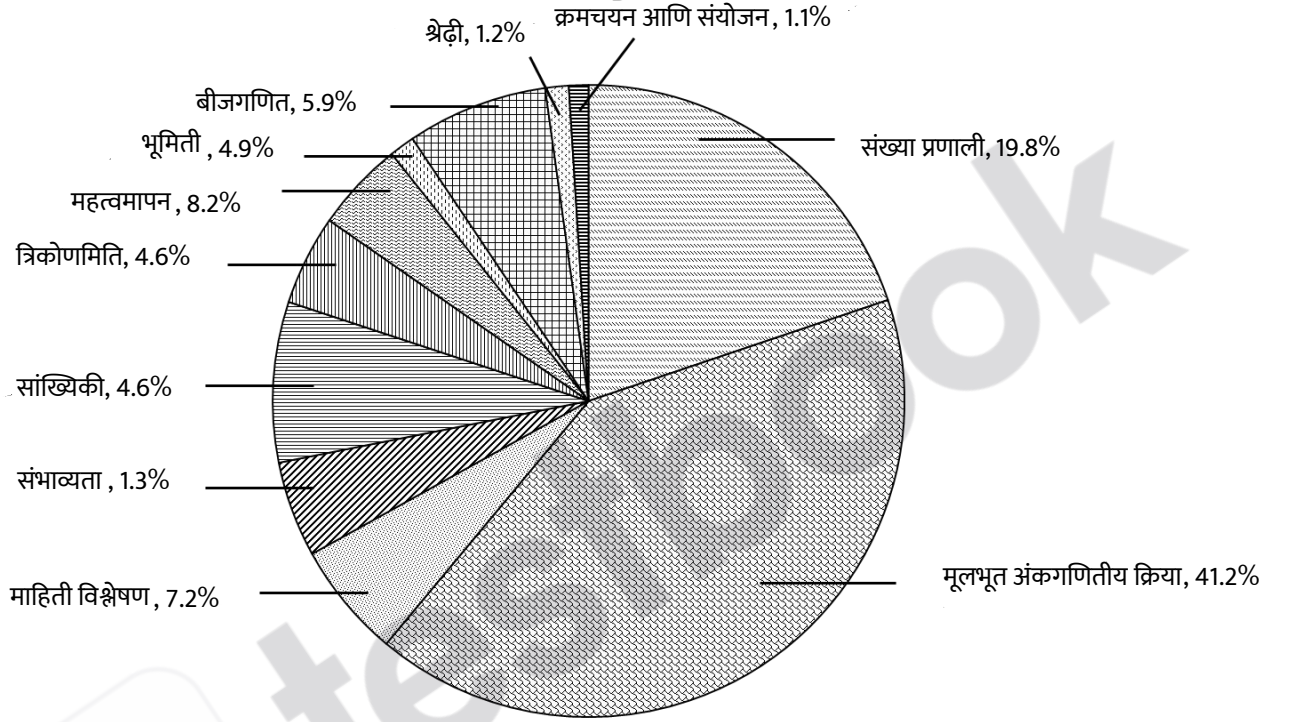
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testbook

धड्यानुसार वेटेजचे विश्लेषण



सरलीकरण

1. $[(169 \times 121) \div (11 \times 13)] - 3 = ?$ [RRB NTPC 2017]
A) 135 B) 140
C) 137 D) 143
2. $(1 + 2/3) \div [(1 + 1/3) \div (2/3 + 1)] = ?$ [RRB NTPC 2017]
A) 4/3 B) 3/4
C) 12/25 D) 25/12
3. सोडवा: $4992 \div 624 - 10$ [RRB NTPC 2017]
A) $\frac{2469}{307}$ B) -2
C) 2 D) $\frac{2496}{307}$
4. सोडवा: $(3.2 \times 10^4) \div (2 \times 10^5)$ [RRB NTPC 2017]
A) $\frac{16}{10^2}$ B) 0.016
C) 1.6 D) 1.06
5. सोडवा: $3108 \div 259 - 10$ [RRB NTPC 2017]
A) $\frac{1063}{83}$ B) 2
C) -2 D) $\frac{1036}{83}$
6. खालीलपैकी कोणत्या क्रियेचा परिणाम 26 असेल? [RRB NTPC 2017]
A) $18 \times 16 \div 12 - 11 + 13$ B) $18 + 16 - 12 \times 11 \div 13$
C) $18 \div 16 + 12 - 11 \times 13$ D) $18 - 16 \times 12 \div 11 + 13$
7. खालील पदावलीचे मूल्य काय असेल?
 $20 - [15 - \{4 - (8 - 6 + 3)\}]$ [RRB NTPC 2021]
A) 4 B) 8
C) 5 D) 6
8. खालील पदावलीचे मूल्य काय असेल?
 $(\frac{6+3}{3}) - 5 \times (4 + 5)$ [RRB NTPC 2021]
A) -24 B) 24
C) 42 D) -42
9. खालील पदावलीचे मूल्य काय असेल?
 $103 - [144 \div (12 \times 12) + 5 + 12 \div (6 - 2) + 10]$ [RRB NTPC 2021]
A) 85 B) 84
C) 90 D) 86
10. $(6 + 4) \times \frac{4}{2} + 5 - 3$ चे मूल्य काय आहे? [RRB NTPC 2021]
A) 42 B) 12
C) 24 D) 22
11. $\frac{(6 \times 2)}{(8 - 1 + 5)}$ चे मूल्य काय आहे? [RRB NTPC 2021]
A) 1 B) 6
C) 9 D) 2
12. $1800 \div (11 \times 24 \div 8 \times 3 - 69)^2$ [RRB NTPC 2021]
A) 3 B) 4
C) 2 D) 5
13. सोडवा:
 $240 \div 8 \times 512 \div 4$ [RRB NTPC 2021]
- A) 4040 B) 3340
C) 3940 D) 3840
14. खालील पदावलीचे मूल्य काय असेल?
 $0.25 \div 0.0025 \times 0.025 \times 25$ [RRB NTPC 2021]
A) 62.5 B) 0.625
C) 625 D) 6.25
15. सरळरूप द्या.
 $25 \div 10 - \left\{ \frac{7}{4} \times \frac{1}{3} \right\} \times \frac{6}{5} + \frac{14}{3} \times \frac{9}{10} - \left\{ \frac{1}{5} \div \frac{1}{25} \right\}$ [RRB NTPC 2021]
A) 11 B) 10
C) 5 D) 1
16. सरळरूप द्या.
 $15 - 6.3 \div 7 + 3 \times 1.3 - 2$ [RRB NTPC 2021]
A) 17 B) 18
C) 16 D) 19
17. सरळरूप द्या.
 $17 - 4 \times (5.4 \div 9) + 6 \times 1.9$ [RRB NTPC 2021]
A) 26 B) 22
C) 24 D) 28
18. $18 - [6 - \{4 - (8 - (6 + 3))\}]$ चे मूल्य शोधा. [RRB NTPC 2021]
A) 11 B) 3
C) 6 D) १७
19. $7 + 5 - 2 \times (7 + 89) - 94 \div 2 + (33 \div 3 + 9 \times 2 - 7) \div 11$ चे मूल्य शोधा. [RRB NTPC 2021]
A) -235 B) -225
C) 245 D) -245
20. सरळरूप द्या.
 $105 \div 5 \times 3 + 39 - 46$ [RRB NTPC 2021]
A) 56 B) 10
C) 65 D) 0
21. सोडवा.
 $\frac{46 + \frac{3}{4} \times 32 - 6}{37 - \frac{3}{4} \times (34 - 6)}$ [RRB NTPC 2021]
A) 10 B) 6
C) 4 D) 8
22. सरळरूप द्या.
 $17 \times 8 - 6 + [(27 - 3) \div 6 - 4]$
A) 130 B) 142
C) 150 D) 136
23. $100 \div 10 - [-2 + \{-9 + (3 - 2 \text{ चे } 6)\}] = \underline{\hspace{2cm}}$.
A) -6 B) 20
C) 30 D) 0
24. सोडवा:
 $80 \div (16 \div 2) + \{[(6 \times 5) - 15 \times 2 + 4] - 12\}$ [RRB NTPC 2021]
A) -62 B) 2
C) -17 D) 148
25. सोडवा.
 $5 + 3 \times 72 \div 24 - 12 = ?$

- A) 12 B) - 22 [RRB NTPC 2021] A) 98000 B) 84000
C) 113 D) 2 C) 42000 D) 86000
26. सरळरूप द्या: $1800 \div 10 \times \{45 \div (17 - 2)\} \times 2 + \{-2(1 + 2)\}$ [RRB NTPC 2021] A) 0 B) 7
C) 9 D) 8
- A) 180 B) 0
C) 1074 D) 114 [RRB NTPC 2021] A) 26 B) 18
C) 60 D) 30 [RRB NTPC 2020] A) 32 D) 23
27. सरळरूप द्या: $12 \div (3 \times 2) + 8 \times 4 - 4$ [RRB NTPC 2021] A) 2 B) 18
C) 60 D) 30 [RRB NTPC 2020] A) 32 D) 23
28. सोडवा.
 $108 \div (36 \times \frac{1}{4}) + \frac{2}{5} \times 3 \frac{1}{4} = ?$ [RRB NTPC 2021] A) 23 B) 32
C) 24 D) 33
- A) $13 \frac{3}{10}$ B) $\frac{130}{10}$
C) $\frac{13}{10} + 11$ D) $\frac{132}{10}$
29. खालील पदावलीचे मूल्य काय असेल?
 $(243)^2 \div (27)^2 \times 6 \div 18$ [RRB NTPC 2021] A) 23 B) 32
C) 24 D) 33
- A) 81 B) 162
C) 27 D) 1 [RRB NTPC 2020] A) 8 B) 19
C) 18 D) 11
30. खालीलपैकी कोणता पर्याय दिलेल्या पदावली समान आहे?
 $16 \div 4 \times 2 - 5 + 1?$ [RRB NTPC 2021] A) -40 B) -225
C) 335 D) 40
- A) $\{(16 \div 4) \times 2\} - (5 + 1)$ B) $\{[(16 \div 4) \times 2] - 5\} + 1$
C) $\{16 \div (4 \times 2)\} - (5 + 1)$ D) $\{[(16 \div (4 \times 2)) - 5] + 1$
31. जर $3x + 4 \times 8 \div 9 = x \div 3 - 1$ असेल, तर x चे मूल्य शोधा: [RRB NTPC 2021] A) -40 B) -225
C) 335 D) 40
- A) $-\frac{41}{24}$ B) $\frac{21}{24}$
C) 2 D) 1 [RRB NTPC 2016] A) D B) C
C) B D) A
32. $15 - (6 + 6 \times 6) \div (2 + 5)$ चे मूल्य काढा: [RRB NTPC 2021] A) 8 B) 5
C) 9 D) 7 [RRB NTPC 2016] A) D B) C
C) B D) A
33. $[3 \div 5 - 4 \text{ चे } 8 + 3 \times \{8 \div 2 - (4 + 3)\}] = ?$ [RRB NTPC 2021] A) -5.29 B) -0.529
C) -4.06 D) 5.01 [RRB NTPC 2016] A) B B) D
C) C D) A
- A) $-\frac{202}{10}$ B) $\frac{101}{5}$
C) $\frac{201}{5}$ D) $-\frac{202}{5}$
34. $4 \times 5 \div 2 - 8 \times 7 + 9 - (3 + 2)$ चे मूल्य काढा: [RRB NTPC 2021] A) -42 B) 21
C) 70 D) 35 [RRB NTPC 2016] A) B B) D
C) C D) A
35. सोडवा: $-4 = -7 + 3x$
A. -1
B. 1
C. $11/3$
D. $-\frac{11}{3}$ [RRB NTPC 2016] A) B B) C
C) A D) D
- A) B B) C
C) A D) D
36. $180 \div 20 \{(15 - 6) + (24 - 18)\}$ चे मूल्य काढा: [RRB NTPC 2016] A) 110 B) 135
C) $\frac{9}{15}$ D) 180 [RRB NTPC 2016] A) A B) C
C) B D) D
37. $216 \div 6 + 6 \times 4 - 10$ चे मूल्य शोधा. [RRB NTPC 2021] A) 150 B) 62
C) 72 D) 50 [RRB NTPC 2016] A) 2 B) 3
C) 4 D) 5
38. BODMAS वापरून, पुढील पदावलीस सरळरूप द्या.
 $\frac{7}{9} \times \frac{21}{5} \times 25 (65^2 - 55^2)$ [RRB NTPC 2021] A) 1 B) -1
39. $7 - [3 - \{7 - (5 - (4 - 3))\}]$ चे मूल्य शोधा. [RRB NTPC 2021] A) 0 B) 7
C) 9 D) 8
40. सरळरूप द्या:
 $24 + 7.2 \div 8 - 3 \times 2.3 + 5$ [RRB NTPC 2020] A) 26 B) 18
C) 32 D) 23
41. सरळरूप द्या:
 $186 - 7 \times (63 - 39) + 25 \div 5$ [RRB NTPC 2020] A) 23 B) 32
C) 24 D) 33
42. $200 \div (5.23 + 4.77) \times (3/5 - 2/10) + (5 - 2)$ चे मूल्य काढा: [RRB NTPC 2020] A) 8 B) 19
C) 18 D) 11
43. सोडवा.
 $(4 + 2 - 16 \div 4 + 3) + \{(1 + 8 \times 7) \div 19\} \times [(3 + 5 - 4) + (17 - 9 \times 4)] = ?$ [RRB NTPC 2020] A) -40 B) -225
C) 335 D) 40
44. सोडवा: $(50 + 0.5 \times 20) \div 0.7$
A. 8.571
B. 857.1
C. 85.71
D. 72.85 [RRB NTPC 2016] A) D B) C
C) B D) A
45. सरळरूप द्या: $(-4.6) \times (-4.6) \div (-4.6 + 0.6)$
A. -5.29
B. -0.529
C. -4.06
D. 5.01 [RRB NTPC 2016] A) B B) D
C) C D) A
46. सोडवा: $12 - [26 - + 2 + 5 \times (6 - 3)]$
A. 2
B. 3
C. 7
D. 8 [RRB NTPC 2016] A) B B) C
C) A D) D
47. $9876 - ? + 5431 = 5553$
A. 9754
B. 9765
C. 8754
D. 9854 [RRB NTPC 2016] A) A B) C
C) B D) D
48. $2^2 - 3^3 + 4^3 - 6^2 = ?$ [RRB NTPC 2016] A) 2 B) 3
C) 4 D) 5
49. सोडवा: $4923 \div 547 - 10$
A. 1
B. -1

C. $\frac{1641}{176}$
D. $\frac{1614}{179}$

- A) A B) C
C) D D) B

50. $69696 \times 9999 =$ चे मूल्य काढा.

- A. 696980304
B. 666890304
C. 696809304
D. 696890304

- A) A B) D
C) B D) C

51. सोडवा: $\frac{33800}{\frac{520}{5}}$

- A. 31
B. 325
C. 13
D. 352

- A) D B) A
C) B D) C

52. $0.592 \div 0.8$ चे मूल्य = ?

- A. 7.4
B. 0.74
C. 740
D. 0.074

- A) C B) B
C) D D) A

53. $374 \times 374 - 374 \times 174$ चे मूल्य शोधा.

- A. 57500
B. 60500
C. 74800
D. 74550

- A) A B) D
C) B D) C

54. सोडवा: $7497 \div 147 - 8 = ?$

- A. -20
B. 20
C. 43
D. 7479/116

- A) D B) A
C) C D) B

55. सरळरूप द्या: $2^4 \div 2^{-1}$

- A. $1/32$
B. 16
C. 32
D. 8

- A) B B) A
C) C D) D

56. $0.0236 = x$ या पदावलीचे अचूक मूल्य शोधा.

- A. $13/550$
B. $236/1000$
C. $2\frac{36}{1000}$
D. $13/555$

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

- A) D B) A
C) C D) B

57. सोडवा: $35968 \div 562 \div 8 = ?$

- A. 80
B. 512
C. 8
D. 521

- A) B B) C
C) D D) A

58. $200 \times 20 \times 2 \times 0.2 \times 0.02 \times 0.002 = ?$

- A. 0.064
B. 0.64
C. 64
D. 640

- A) C B) A
C) D D) B

59. $(0.2 \times 0.2 \times 0.2) (0.06 \times 0.06 \times 0.06) \div (0.12 \times 0.12 \times 0.12) = ?$

- A. 0.008
B. 0.001
C. 0.002
D. 0.006

- A) D B) A
C) B D) C

60. सरळरूप द्या: $\{13 + [25 \div (3 + 7)] - (2 \times 6)\}$

- A. 3.5
B. 0.5
C. 2.8
D. 4

- A) A B) C
C) B D) D

61. सोडवा: 87654×99999

- A. 8766624336
B. 8765312346
C. 8857624336
D. 8656624426

- A) C B) B
C) A D) D

62. सोडवा:

$5/7 + 21/31 + 52/33$

- A) 21350/7161 B) 21250/7161
C) 23250/7161 D) 21240/7161

63. सरळरूप द्या:

$237.43 + 7453.32 + 54.12 - 987.23$

- A. 6757.64
B. 6666.64
C. 7676.64
D. 6587.64

- A) A B) C
C) B D) D

64. $84 - 4 \div 2 \times 3 + 7$ चे मूल्य काढा:

- A) 173 B) 127
C) 97 D) 85

65. खालीलपैकी कोणता पर्याय पुढील समीकरणात प्रश्नचिन्हाच्या (?) सर्वात जवळ येणारे अदमासे मूल्य आहे?

$2.04 + 5.019 - 3.001 \times 2.04 = ?$

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB NTPC 2016]

[RRB Group D 2022]

[RRB Group D 2022]

- A) 1 B) 4
C) 5 D) 3
66. $(3 + 11) \times 4 \div (6 + 1) - 21$ चे मूल्य शोधा. [RRB Group D 2022]
A) 15 B) 13
C) -13 D) -15
67. खालीलपैकी कोणता पर्याय पुढील समीकरणात प्रश्नचिन्हाच्या (?) सर्वात जवळ येणारे अदमासे मूल्य आहे?
 $18.01 \times 3.99 + 9.99 \times 3.99 = ?$
[RRB Group D 2022]
A) 92 B) 112
C) 122 D) 84
68. $2 + [2 + 2 \div \{2 + 2 \div (2 + \frac{1}{3})\}]$ चे मूल्य काढा:
[RRB Group D 2022]
A) $\frac{47}{10}$ B) $\frac{37}{10}$
C) $\frac{67}{10}$ D) $\frac{57}{10}$
69. खालीलपैकी कोणता पर्याय पुढील समीकरणात प्रश्नचिन्हाच्या (?) सर्वात जवळ येणारे अदमासे मूल्य आहे?
 $4.99 + .99 - 4.01 \times 2 + 3.59 = ?$
[RRB Group D 2022]
A) 3 B) 2
C) 1 D) 5
70. पुढील पदावलीचे मूल्य काढा.
 $5^3 - 9^2 + (12 \div 4)^2 - 32 + 8 \times 0 =$
[RRB Group D 2022]
A) 61 B) 25
C) -15 D) 21
71. $47 + \{7 + [61 - (21 \div 3)] \div 9\}$ चे मूल्य काढा:
A) 40 B) 80
C) 100 D) 60
72. $(279 \div 31) + (363 \div 33) - (512 \div 16)$ चे मूल्य काढा:
[RRB Group D 2022]
A) 9 B) 10
C) -12 D) -11
73. $5 + (12 - 3 \times 4) - 6 \div 2$ चे मूल्य काढा: [RRB Group D 2022]
A) 6 B) -2
C) 2 D) -6
74. खालीलपैकी कोणता पर्याय पुढील समीकरणात प्रश्नचिन्हाच्या (?) सर्वात जवळ येणारे अदमासे मूल्य आहे?
 $5.18 \times 4 + 2.06 \times 5 - 10 \div 2 + 1 = ?$
[RRB Group D 2022]
A) 15 B) 40
C) 26 D) 30
75. सरळरूप द्या: $34 - 66 \div 6 + 18 \times 8$. [RRB Group D 2022]
A) 104 B) 138
C) -600 D) 167
76. खालीलपैकी कोणता पर्याय पुढील समीकरणात प्रश्नचिन्हाच्या (?) सर्वात जवळ येणारे अदमासे मूल्य आहे?
 $27.92 \times 4 + 3.96 \times 5 - 18 \div 2 + 1 = ?$
[RRB Group D 2022]
A) 115 B) 100
C) 124 D) 140
77. $(6 - 3) \div [(9 - 6) \div \{(6 - 4) \div (2 + \frac{8}{13})\}]$ चे मूल्य काढा:
[RRB Group D 2022]
A) $\frac{5}{17}$ B) $\frac{1}{17}$
C) $\frac{13}{17}$ D) $\frac{26}{17}$

78. $[(12 \div 4) \times \{\frac{12}{3} + \frac{5}{3} \times (7 - 4)\}]$ चे मूल्य शोधा:
A) 54 B) 45
C) 36 D) 27
79. $3 + 3 \times \{[11 - 2] \div 3\} - 2 \times 3$ चे मूल्य काढा: [RRB Group D 2022]
A) 7 B) 6
C) 9 D) 8
80. खालीलपैकी कोणता पर्याय पुढील समीकरणात प्रश्नचिन्हाच्या (?) सर्वात जवळ येणारे अदमासे मूल्य आहे?
 $23.96 + 24.96 + 23.16 - 18.89 \times 3.04 + 36.13 \div 6.1 = ?$
[RRB Group D 2022]
A) 25 B) 27
C) 21 D) 23
81. खालीलपैकी कोणता पर्याय पुढील समीकरणात प्रश्नचिन्हाच्या (?) सर्वात जवळ येणारे अदमासे मूल्य आहे?
 $26.52 \times 3.89 - 7.79 \times 2 + 27.39 = ?$
[RRB Group D 2022]
A) 82 B) 181
C) 136 D) 119
82. दिलेल्या पदावलीस सरळरूप द्या.
 $11 - \{7 - 56 \div (2 \times 3 + 1)\}$
[RRB Group D 2022]
A) 9 B) 11
C) 10 D) 12
83. $40 - [3 - \{4 - (6 - 6 - 4)\}]$ चे मूल्य _____ आहे.
A) 100 B) 300
C) 47 D) 37
84. पदावली $(3.7)^3 - 3 \times (3.7)^2 \times (0.7) + 3(3.7) \times (0.7)^2 - (0.7)^3 =$
[RRB Group D 2022]
A) 27 B) 10
C) 30 D) 35
85. खालीलपैकी कोणता पर्याय पुढील समीकरणात प्रश्नचिन्हाच्या (?) सर्वात जवळ येणारे अदमासे मूल्य दर्शवतो?
 $(\sqrt{360} + 12 \div 6 \times 3 - \sqrt{170}) \div 2 = ?$
[RRB Group D 2022]
A) 6 B) 4
C) 8 D) 5
86. $-48 \div [4 \times (6 - 5 + 1)] \div 24$ चे मूल्य = [RRB Group D 2022]
A) 12 B) $-\frac{7}{4}$
C) $-\frac{1}{4}$ D) -9
87. $[(54.36 \times 0.4) + 0.256] \div \sqrt{121}$ चे मूल्य = [RRB Group D 2022]
A) 1 B) 22
C) 11 D) 2
88. $\frac{[(0.68)^2 + (0.32)^2 + 16 \times 0.0136]}{[(0.68)^3 - (0.32)^3] \div (0.3)^2}$ चे मूल्य काढा: [RRB Group D 2022]
A) $\frac{1}{2}$ B) $\frac{1}{4}$
C) $\frac{3}{5}$ D) $\frac{3}{8}$
89. जर $0.045 + 0.154 - 0.09 + 1.5 - (0.3 \times 0.8) = x - 0.231$ असेल, तर x चे मूल्य कोणादरम्यान असेल: [RRB Group D 2022]
A) 1.8 आणि 2.0 B) 1.5 आणि 1.8
C) 1.1 आणि 1.3 D) 1.3 आणि 1.5
90. $\{[(324 \div 9) \div 4] \times 25 + 186\}$ बरोबर: [RRB Group D 2022]
A) 411 B) 141
C) 114 D) 386
91. $143 - 144 \div 16 \times 3 - 1$ चे मूल्य काढा: [RRB Group D 2022]

- A) 115 B) 123
C) 139 D) 133

92. खालीलपैकी कोणता पर्याय पुढील समीकरणात प्रश्नचिन्हाच्या (?) सर्वात जवळ येणारे अदमासे मूल्य आहे?

$$(\sqrt{142} + 52 \div 26 \times 5 - \sqrt{80}) \times 2 = ?$$

[RRB Group D 2022]

- A) 32 B) 30
C) 20 D) 26

93. सरळरूप द्या: $5 + \frac{5 \times 5}{5} - 5$

- A) 25 B) 15
C) 10 D) 5

94. खालील पदावलीस सरळरूप द्या:
 $2.06 - 3.16 + 4.59 - 1.79$

[RRB NTPC 2022]

- A) 1.75 B) 1.65
C) 1.80 D) 1.70

95. $36 \div (8 \times 3) - [3 \div \{4 \times \{3 \times 4 \div (5 - 9) + 6\} \}]$ चे मूल्य _____ दरम्यान आहे.

[RRB NTPC 2022]

- A) 0.7 आणि 1 B) 1 आणि 1.3
C) 1.3 आणि 1.6 D) 1.6 आणि 1.9

96. खालील पदावलीस सरळरूप द्या:

$$\frac{2}{3} + \frac{4}{9} \div \left(\frac{7}{2} - \frac{5}{6} \right)$$

[RRB NTPC 2022]

- A) $\frac{11}{12}$ B) $\frac{5}{6}$
C) 1 D) $\frac{7}{6}$

97. खालीलपैकी कोणता पर्याय पुढील समीकरणात प्रश्नचिन्हाच्या (?) सर्वात जवळ येणारे अदमासे मूल्य आहे?

$$17.821 + 178.21 - ? = 169.93$$

[RRB NTPC 2022]

- A) 49 B) 58
C) 19 D) 26

98. सोडवा: $9 \text{ चे } (4 + 2) - 6 \times 2 + \frac{5}{5}$

[RRB NTPC 2022]

- A) 45 B) 44
C) 41 D) 43

99. $49 - [35 + \{12 \div (6 + 7 - 12) \text{ चे } 3\}]$ चे मूल्य काढा:

[RRB NTPC 2022]

- A) -8 B) -12
C) 10 D) 9

100. $\frac{(11 \frac{11}{12} \times 1 \frac{3}{13} \div 2 \frac{3}{4}) \div (\frac{7}{10} \div (\frac{3}{4} \times 1 \frac{2}{5}))}{\frac{1}{4} \times \frac{2}{3} \times 2 \frac{2}{5}}$ चे मूल्य काढा.

[RRB NTPC 2022]

- A) $1 \frac{1}{5}$ B) 20
C) $3 \frac{1}{5}$ D) 10

101. $43 \frac{2}{3} \div [35 + \frac{3}{4} \text{ of } 24 + (42 \div 7 - 5 \frac{1}{3})]$ या पदावलीचे मूल्य काढा.

[RRB NTPC 2022]

- A) $\frac{121}{161}$ B) $\frac{91}{161}$
C) $\frac{131}{161}$ D) $\frac{109}{161}$

102. खालील पदावलीस सरळरूप द्या:

$$(15 \div 3) - [\{ (19 - 1) \div 2 \} - \{ 5 \times 20 - (7 \times 9 - (-2)) \}]$$

[RRB NTPC 2022]

- A) -21 B) 35
C) 31 D) 21

103.

$$\frac{3}{4} \times 2 \frac{2}{3} \div \frac{5}{9} \text{ of } 1 \frac{1}{5} - \frac{3}{5} \text{ of } \left(\frac{2}{3} \div \frac{2}{3} \text{ of } \frac{3}{2} \right) + \frac{4}{5} \times 1 \frac{1}{9} \div \frac{8}{15} - \frac{2}{3}$$

चे मूल्य काढा:

[RRB NTPC 2022]

- A) $1 \frac{3}{10}$ B) $3 \frac{9}{10}$
C) $3 \frac{3}{5}$ D) $4 \frac{2}{5}$

104. सरळरूप द्या:

$$\frac{10 - \left[\frac{3}{4} + \left\{ 4 \frac{1}{2} - \left(\frac{1}{4} + \frac{1}{84} \right) \right\} \right]}{4} = ?$$

[RRB NTPC 2022]

- A) $3 \frac{85}{336}$ B) $4 \frac{85}{336}$
C) $2 \frac{85}{336}$ D) $1 \frac{85}{336}$

105. खालील पदावलीस सरळरूप द्या:

$$\frac{\frac{17}{2} \div \frac{15}{2} \times \frac{13}{2}}{\frac{17}{2} \div \left(\frac{15}{2} \times \frac{13}{2} \right)} \div \frac{169}{30}$$

[RRB NTPC 2022]

- A) 6 B) $7 \frac{1}{2}$
C) 7 D) $6 \frac{1}{2}$

106. खालील पदावलीस सरळरूप द्या:

$$10 - 18 \div 3 \times 3 + 27 \div 3^2$$

[RRB NTPC 2022]

- A) -5 B) 11
C) $2 \frac{1}{9}$ D) -11

107. खालील पदावलीस सरळरूप द्या:

$$2 \frac{1}{6} \times \left\{ 1 \frac{19}{26} + \frac{15}{13} \times \left(\frac{5}{7} \div \frac{25}{14} \right) \right\}$$

[RRB NTPC 2022]

- A) $4 \frac{3}{4}$ B) $4 \frac{4}{5}$
C) $4 \frac{5}{6}$ D) $4 \frac{2}{3}$

108. जर $1 \frac{1}{4} \times (5 \frac{3}{4} \div \frac{2}{7} \text{ of } k) \div 2 \frac{7}{8} - 3 \frac{3}{4} = (17 - 4) \div 2 \text{ of } 2$,

तर $\frac{k+1}{k-1}$ चे मूल्य किती?

[RRB NTPC 2022]

- A) 7 B) $\frac{11}{3}$
C) $\frac{5}{2}$ D) 9

109. $(1 \frac{1}{3} \times 1 \frac{4}{5} \div \frac{3}{5}) \times \frac{3}{8} - \frac{2}{3}$ चे मूल्य काढा:

[RRB NTPC 2022]

- A) $\frac{3}{2}$ B) $\frac{1}{4}$
C) $\frac{5}{6}$ D) $\frac{7}{2}$

110. $84 \div 32 \times 8 - 15 \div 8 \times (19 - 35)$ चे मूल्य काढा:

[RRB NTPC 2022]

- A) 45 B) 38
C) 51 D) 42

111. $72 \div 4 \times \{8 \times 4 - (14 - 19)\}$ चे मूल्य काढा:

[RRB NTPC 2022]

- A) 666 B) 1296
C) 444 D) 222

112. जर $\left[2 \frac{7}{8} - \left\{ 3 - \left(1 \frac{1}{4} - \frac{5}{8} \right) \right\} \right] + P \times \frac{1}{8} = 0$, तर P चे मूल्य किती?

[RRB NTPC 2022]

- A) -4 B) 2
C) 4 D) -2

113. खालीलपैकी कोणते मूल्य $7 \frac{3}{5} \times 4 \frac{1}{2} - K = 26 \frac{3}{4}$ मधील K ची जागा घेईल?

[RRB NTPC 2022]

- A) $2\frac{1}{2}$ B) $9\frac{7}{20}$
C) $7\frac{9}{20}$ D) 2

114. $\frac{27}{5} \times \frac{15}{81} \div \left\{ \frac{14}{77} \times \frac{86}{72} \times \frac{99}{43} \right\}$ चे मूल्य किती असेल?
[RRB NTPC 2022]

- A) 3 B) 2
C) 4 D) 5

115. जर $a = \frac{17}{99}$, $b = \frac{13}{47}$ आणि $c = \frac{34}{33}$, तर $(ab) \div c$ चे मूल्य = ?
[RRB NTPC 2022]

- A) $\frac{17}{264}$ B) $\frac{13}{282}$
C) $\frac{19}{289}$ D) $\frac{21}{354}$

116. जर \div म्हणजे बेरीज, \times म्हणजे वजाबाकी, $+$ म्हणजे गुणाकार आणि $-$ म्हणजे भागाकार, तर $30 - 10 + 4 \times 6 \div 4 = ?$
[RRB NTPC 2022]

- A) 11 B) 10
C) 13 D) 12

117. खालील पदावलीस सरळरूप द्या:
 $3.5 \times 0.5 \times (4.4 - 0.625 \div 1.5625)$
[RRB NTPC 2022]

- A) 7 B) 14
C) 1.75 D) 10.5

118. $5 - 10 \div 5 \times 2 - [12 \div \{5 \times 6 \div (6 - 9) + 13\}]$ चे $6 \times (8 \div 3$ चे 4)] चे मूल्य काढा.
[RRB NTPC 2022]

- A) $5/6$ B) $2/3$
C) $5/9$ D) $4/9$

119. पुढील समीकरणातील x चे मूल्य शोधा:

$$\left[1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{5}}}\right] \div 1 \frac{6}{11} = \frac{x}{2}$$

- A) 2 B) 1
C) $\frac{1}{2}$ D) $\frac{2}{3}$

120. जर 22.5 चे $32\% - \frac{2}{3} \times \sqrt[3]{512} \times \sqrt{81} = y$, तर y चे मूल्य काढा.
[RRB NTPC 2022]

- A) -40.2 B) -41.2
C) -40.8 D) -41.8

121. $\frac{9}{15} \times \frac{45}{81} \times \left\{ \frac{49}{6} \times \left(\frac{16}{7} - 2 \right) \right\} \times \frac{24}{5} \div \frac{16}{15} = ?$
[RRB NTPC 2022]

- A) $\frac{5}{9}$ B) $\frac{7}{2}$
C) $\frac{2}{7}$ D) $\frac{9}{5}$

122. जर $27 \times 3 \times 896 \div \sqrt{3136} = y + 640$ असेल, तर y चे मूल्य शोधा.
[RRB NTPC 2022]

- A) 666 B) 648
C) 664 D) 656

123. $(162 \div 9) \div 3 - (343 \div 49) \div 7$ चे मूल्य शोधा. [RRB NTPC 2022]

- A) $-\frac{1}{7}$ B) 5
C) 53 D) -1

124. एका संख्येचे 29.5% हे 0.59 आहे. तर ती संख्या कोणती आहे?
[RRB NTPC 2022]

- A) 2.4 B) 2
C) 2.5 D) 1.8

125. सरळरूप द्या: $65 - [40 - (60 \div 5 - (18 - 24 \div 4) \div 6)]$
[RRB NTPC 2022]

- A) 40 B) 35
C) 30 D) 37

126. सरळरूप द्या:
 $18 + 48 \div 12 \times (32 \div 4)^2 - 8$

- A) 344 B) 266
C) 242 D) 308

127. सरळरूप द्या:
 $30 \div (40 \div 2^2 \times 10 \div 5) \times 6 - 4$

- A) 5 B) 300
C) 896 D) -3.75

128. सरळरूप द्या:
 $[(7 \times 9) + (3 \times 8) + 3] \div [(9 \times 4) + (72 \div 8)]$

- A) 5 B) 4
C) 2 D) 3

129. $\frac{12 - [(3-5) \times 4] \div 8 - 8 + [6 \div (12 \times 2)]}{9 \times 15 \div (12 \times 10) - [12 \div (6 \times 2)]}$ चे मूल्य काढा: [RRB NTPC 2022]

- A) 42 B) $\frac{21}{17}$
C) 48 D) $\frac{3}{4}$

130. खालील पदावलीस सरळरूप द्या.
 $\frac{12 - 6 \div 2 + 4}{3^2 \times 3 - 7 + 6}$

- A) $\frac{1}{2}$ B) $\frac{11}{26}$
C) $\frac{13}{18}$ D) $\frac{11}{18}$

131. जर $56 \div 14 \times 2^2 - 12 \times 6 \div 3 + 10 = z$ असेल, तर z चे मूल्य शोधा.
[RRB NTPC 2022]

- A) 3 B) 4
C) 6 D) 2

132. पुढील पदावलीचे मूल्य शोधा:

$$1 - \frac{(4 \div 5 - 1 \times 3 + 2) \times 8}{3^2 \times 8 - 4 \times 2}$$

- A) $\frac{39}{40}$ B) $\frac{41}{40}$
C) 0 D) $\frac{5}{8}$

133. सरळरूप द्या:
 $72 - 4(40 + 24 \div 8 \times 6 - 4 \times 4) + 20$

- A) -36 B) 52
C) -76 D) -6

134. पुढील पदावलीस सरळरूप द्या. $95 \div 15 - 34 \div \{18 - 4 \div (3 \times 12) \times 9\} \times 2$
[RRB NTPC 2022]

- A) $-\frac{95}{986}$ B) $2\frac{5}{9}$
C) $5\frac{1}{3}$ D) $2\frac{1}{3}$

135. $56 \div \left[\frac{1}{3} \left\{ 15 + 12 - \left(9 + 6 - \overline{5 + 7} \right) \right\} \right] = ?$

- A) 12 B) 4032
C) 7 D) 448

136. $22 - \left[23 - \left\{ 24 - \left(27 - \overline{25 - 30} \right) \right\} \right] = ?$

- A) -7 B) 7
C) -9 D) -8

137. $(136 \div 17) + (17 \times 13) - (103 - 85) \times (62 + 145) \div 23 = ?$
[RRB Group D 2018]

- A) 75 B) 67
C) 59 D) 76

138. $-15 - (-18 - 35 \div 5) = ?$ [RRB Group D 2018]
 A) 10 B) -14
 C) -2 D) 6
139. पुढील प्रश्नात प्रश्नचिन्हाच्या (?) जागी काय येईल?
 $66 \div [67 - \{43 - (17 - 117 \div 9 \times 4)\}] = ?$ [RRB Group D 2018]
 A) -6 B) 11
 C) 6 D) -11
140. $119 \div [22 - \{90 \div (23 - 105 \div (7 \times 3))\}] = ?$ [RRB Group D 2018]
 A) 4 B) 12
 C) 3 D) 7
141. $70 \div 5 \times (10 - 8 \div 2) \div 3 = ?$ [RRB Group D 2018]
 A) 28 B) 3
 C) 1/3 D) 7
142. $63 - (-3)(-2 - 8 - 4) \div [3 \{5 + (-2)(-1)\}] = ?$ [RRB Group D 2018]
 A) 65 B) 60
 C) -60 D) 61
143. $162 \div [51 - \{29 - (9 - \overline{6 + 7})\}] = ?$ [RRB Group D 2018]
 A) 18 B) 14
 C) 7 D) 9
144. $119 \div [22 - \{90 \div (23 - 105 \div \overline{7 \times 3})\}] = ?$ [RRB Group D 2018]
 A) 7 B) 12
 C) 3 D) 4
145. $15 \times 3 - 9 \times (5^2 \div 5) \div 5 \div (1 \div 3) + 10 = ?$ [RRB Group D 2018]
 A) 28 B) 18
 C) 8 D) 30
146. जर $p = 36 - 2(20 + 12 \div 4 \times 3 - 2 \times 2) + 10$ असेल, तर p चे दुप्पट मूल्य किती असेल? [RRB Group D 2018]
 A) -4 B) -10
 C) -2 D) -8
147. 8 किलो 25 ग्रॅमला 25 ने गुणले तर काय मिळेल? [RRB Group D 2018]
 A) 200 किलो B) 200.625 किलो
 C) 199.625 किग्रॅ D) 199 किलो
148. $22 - [23 - \{24 - (27 - \overline{29 - 30})\}]$ चे मूल्य शोधा. [RRB Group D 2018]
 A) 1 B) -3
 C) -4 D) -5
149. $75 \div [35 - \{63 - (79 - 54 \div 9 \times 6)\}] = ?$ [RRB Group D 2018]
 A) 3 B) 5
 C) 25 D) 15
150. $\{40 - (90 \div 5 \times \overline{16 - 8 \div 2 \div 3})\} = ?$ [RRB Group D 2018]
 A) 16 B) 28
 C) 64 D) 14
151. $(-18) [36 \div \{7 - (-2)\}] \div [(-4)\{19 - (-3) \times (-5)\}] = ?$ [RRB Group D 2018]
 A) -4.5 B) 4.5
 C) 2.5 D) -2.5
152. $(-12)[11 + \{7 \times (-3)\}] \div [4 \{13 - (-3) \times (-6)\}] = ?$ [RRB Group D 2018]
 A) -6 B) -4
 C) 4 D) -2
153. $80 \div [48 - \{56 - (60 - 36 \div 12 \times 4)\}] = ?$ [RRB Group D 2018]
 A) 5 B) 8
 C) 4 D) 2
154. $\{52 - (9 - 2)\} \div [3 \times \{1 + (-2) \times (-2)\}] = ?$ [RRB Group D 2018]
 A) 3 B) -9
 C) 9 D) -5
155. $\left(\frac{2}{5} + \frac{4}{15}\right)$ च्या $\frac{3}{12} = ?$ [RRB Group D 2018]
 A) 5/7 B) 5/6
 C) 6/5 D) 2/6
156. $4 + 3 \times 4 + 3 \times 4^2 + 3 \times 4^3 + 3 \times 4^4 + 3 \times 4^5 = ?$ [RRB Group D 2018]
 A) 5×4^5 B) 9×4^4
 C) 4^6 D) 10×4^4
157. $138 \div [35 - \{53 - (89 - 72 \div 9 \times 6)\}] = ?$ [RRB Group D 2018]
 A) 2 B) 6
 C) 23 D) 3
158. $551 \div 29 = 19$, तर $5.51 \div 0.0019 = ?$ [RRB Group D 2018]
 A) 2.9 B) 290
 C) 2900 D) 0.29
159. $7580 - X = 3440$ असल्यास, X चे मूल्य किती? [RRB Group D 2018]
 A) 4150 B) 5140
 C) 4130 D) 4140
160. 10 ही संख्या मिळविण्यासाठी 5.42 आणि 3.56 च्या फरकामध्ये किती मिळवणे आवश्यक आहे? [RRB Group D 2018]
 A) 8.14 B) 6.44
 C) 1.02 D) 4.58
161. खालील पदावलीस सरळरूप द्या.
 $\left(\frac{2}{3} \times \frac{1}{6}\right) + \left(\frac{2}{3} \times \frac{7}{2}\right) - \left(\frac{13}{4} \times \frac{4}{3}\right) = ?$ [RRB Group D 2018]
 A) 14/3 B) -17/9
 C) 29/3 D) 23/9
162. सरळरूप द्या: $\frac{4}{11}$ च्या $\left(\frac{5}{8} + \frac{3}{4}\right) \div \frac{3}{16} - \frac{1}{2} \times \frac{3}{4} = ?$
 A) $3\frac{2}{13}$ B) $3\frac{4}{11}$
 C) $2\frac{7}{24}$ D) 1
163. खालील पदावलीस सरळरूप द्या:
 $\left(\frac{3}{11} \times \frac{33}{6}\right) - \left(\frac{9}{4} \times \frac{12}{3}\right) + \left(\frac{5}{11} \times \frac{22}{10}\right)$ [RRB Group D 2018]
 A) (-9)/2 B) (-13)/2
 C) 13/2 D) 9/2
164. पुढील पदावलीस सरळरूप द्या:
 $\left(\frac{3}{2} \times \frac{1}{6}\right) + \left(\frac{5}{3} \times \frac{7}{2}\right) - \left(\frac{13}{4} \times \frac{4}{3}\right) = ?$ [RRB Group D 2018]
 A) 12/21 B) 21/12
 C) 36/21 D) 41/12
165. $|21 \div (-7) + 12| \times 21 + 5$ चे मूल्य शोधा. [RRB Group D 2018]
 A) 194 B) 491
 C) 149 D) 419
166. सोडवा: $40 - (7 \times 3 + 24 \div 8 \times 3 - 4 \times 2) + 12$ [RRB Group D 2018]
 A) 30 B) 10
 C) 40 D) 20
167. पुढील पदावली सोडवा: $5.032 + 150.03 + 40.00 - 30.50 = ?$ [RRB Group D 2018]

- A) 164.562 B) 154.562 A) 80 B) 8
C) 264.562 D) 165.562 C) -16 D) -8
- 168.** सोडवा: $4^2 \times \{(2 + 3) - 11\}$ [RRB Group D 2018] **186.** $92 - [71 + \{4 - (5 - (4 - 2))\}] = ?$ [RRB Group D 2018]
A) 40 B) -10 A) 12 B) 21
C) 80 D) -96 C) 15 D) 20
- 169.** $40 - 2(12 + 13 \div 5 \times 3 - 5 \times 2) + 19 = ?$ [RRB Group D 2018] **187.** $X = \frac{63.5535}{13.05}$
A) 38.4 B) 38 x चे मूल्य शोधा. [RRB Group D 2018]
C) 49.2 D) 39.4
- 170.** $20 \div \{[2 \times (3 - 7)] - 15 + 25\}$ चे मूल्य काढा: [RRB Group D 2018] A) 4.46 B) 4.28
A) -2 B) 7.5 C) 4.87 D) 4.48
C) 10 D) -1.54
- 171.** $132 \times 16 \div 2^3 + 4 = ?$ [RRB Group D 2018] **188.** $84 \div [50 - \{4^3 - (30 - 128 \div 8 \times 4)\}] = ?$ [RRB Group D 2018]
A) 792 B) 176 A) 12 B) 3
C) 264 D) 268 C) 4 D) 7
- 172.** $384 \div 2^5 \times 3 + 8 = ?$ [RRB Group D 2018] **189.** 2.4 मधून 0.15 काढून टाकल्यास आणि मिळालेले परिणाम 7.5 मध्ये
A) 12 B) 132 मिळवल्यास, आपणाला काय मिळेल? [RRB Group D 2018]
C) 3 D) 44 A) 8.75 B) 7.25
C) 9.75 D) 6
- 173.** $105 \times 2 \div (3 \times 5) - 6 = ?$ [RRB Group D 2018] **190.** $\{(99 - 1)/7^2\} \times 2 + 8 = ?$ [RRB Group D 2018]
A) -70 B) 5 A) 10 B) 13
C) 8 D) 35 C) 11 D) 12
- 174.** $66 \times 32 \div 2^3 + 8 = ?$ A) 1060 B) 792 **191.** $104 \div [68 - \{29 - (45 - 56 \div 7 \times 4)\}] = ?$ [RRB Group D 2018]
C) 132 D) 272 A) 4 B) 2
C) 8 D) 13
- 175.** $3.0005 - 1.748 = ?$ [RRB Group D 2018] **192.** पुढील पदावलीचे मूल्य शोधा.
A) 1.2525 B) 1.257 $129 \div [46 - \{93 \div (35 - 132 \div 11 \times 3)\}] = ?$ [RRB Group D 2018]
C) 2.8257 D) 1.9257 A) 3 B) 5
C) 7 D) 1
- 176.** $(55/11) + (18 - 6) \times 9 = ?$ [RRB Group D 2018] **193.** $1\frac{7}{9} + \frac{5}{12} + \frac{7}{18}$ चे मूल्य शोधा. [RRB Group D 2018]
A) 113 B) 115 A) $\frac{32}{12}$ B) $\frac{31}{18}$
C) 100 D) 110 C) $\frac{31}{12}$ D) $\frac{31}{14}$
- 177.** $\{8 + (2^4 + 3)\} \div 9 = ?$ [RRB Group D 2018] **194.** $75 - (96 - 18 \div 6 - 58) \div 5 + 4 \times 17 = ?$ [RRB Group D 2018]
A) 3 B) 9 A) 70 B) 136
C) 4 D) 8 C) 76 D) 7
- 178.** $140 \div [61 - \{36 - (40 - 60 \div 12 \times 6)\}] = ?$ [RRB Group D 2018] **195.** $30 - [29 - \{28 - (25 - 21 - 22)\}] = ?$ [RRB Group D 2018]
A) 2 B) 5 A) -1 B) 1
C) 4 D) 10 C) 2 D) 3
- 179.** $77 \div [46 - \{66 - (52 - 63 \div 9 \times 3)\}] = ?$ [RRB Group D 2018] **196.** $3 + [32 \div 8 \times 52 \div (4 + 9)] = ?$ [RRB Group D 2018]
A) 5 B) 6 A) 19 B) 20
C) 11 D) 7 C) 21 D) 18
- 180.** $(-5) \{20 - (-2) \times (-8)\} = ?$ [RRB Group D 2018] **197.** $\{20 - (25 - 33)\} \div \{-5 \times 4 - (-6)\} + 56 \div (-27 + 13) = ?$ [RRB Group D 2018]
A) 180 B) 20 A) -4 B) -2
C) -20 D) -180 C) 4 D) -6
- 181.** $2 - [3 - \{6 - (5 - 4 - 3 + 10)\}] = ?$ [RRB Group D 2018] **198.** $144 \div [40 - \{37 - (25 - 112 \div 4 \text{ च्या } 7)\}] = ?$ [RRB Group D 2018]
A) 4 B) 2 A) 4 B) 2
C) 1 D) -3 C) 8 D) 6
- 182.** $111 \div [-(5^2) + \{33 \div (-22 \div (-2))\}]$ च्या (-4) = [RRB Group D 2018] **199.** $396 - 39.6 - 3.96 - 0.396 = ?$ [RRB Group D 2018]
A) 37 B) -5 A) 352.144 B) 352.044
C) -37 D) -3 C) 352.134 D) 352.034
- 183.** $\{39 - (19 - 44)\} \div \{-4 \times 3 - (-4)\}$ चे मूल्य शोधा. [RRB Group D 2018] **184.** $\frac{0.9894}{0.97} - \frac{1}{50} =$ [RRB Group D 2018]
A) -5 B) -6 A) 1.2 B) 1
C) -4 D) -8 C) 1.02 D) 0.98
- 185.** $8 \times \{7 - (-2) \times (-4)\} = ?$ [RRB Group D 2018]

200. सरळरूप द्या: $(3.6 + 6.4)(3.6 - 6.4) - (3.6 - 6.4)^2 = ?$

[RRB Group D 2018]

- A) 29.6
C) 32.68

- B) 32.6
D) -35.84

ANSWER KEY

Q.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Ans	B	D	B	A	B	A	A	D	B	D	A	C	D	A
Q.	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Ans	D	C	A	D	B	A	C	A	C	B	D	C	D	A
Q.	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Ans	C	B	A	C	D	A	A	C	D	A	B	D	A	D
Q.	43	44	45	46	47	48	49	50	51	52	53	54	55	56
Ans	A	B	D	A	A	D	D	B	D	B	D	C	C	B
Q.	57	58	59	60	61	62	63	64	65	66	67	68	69	70
Ans	B	B	C	A	B	B	A	D	A	C	B	A	B	D
Q.	71	72	73	74	75	76	77	78	79	80	81	82	83	84
Ans	D	C	C	C	D	C	C	D	B	C	D	D	D	A
Q.	85	86	87	88	89	90	91	92	93	94	95	96	97	98
Ans	A	C	D	B	B	A	A	D	D	D	B	B	D	D
Q.	99	100	101	102	103	104	105	106	107	108	109	110	111	112
Ans	C	B	C	C	C	D	B	A	A	D	C	C	A	A
Q.	113	114	115	116	117	118	119	120	121	122	123	124	125	126
Ans	C	B	B	B	A	C	A	C	B	D	B	B	B	B
Q.	127	128	129	130	131	132	133	134	135	136	137	138	139	140
Ans	A	C	A	A	D	B	C	D	C	C	B	A	A	D
Q.	141	142	143	144	145	146	147	148	149	150	151	152	153	154
Ans	A	D	D	A	A	D	B	D	B	A	B	A	D	A
Q.	155	156	157	158	159	160	161	162	163	164	165	166	167	168
Ans	B	C	B	C	D	A	B	C	B	B	A	A	A	D
Q.	169	170	171	172	173	174	175	176	177	178	179	180	181	182
Ans	D	C	D	D	C	D	A	A	A	C	D	C	D	D
Q.	183	184	185	186	187	188	189	190	191	192	193	194	195	196
Ans	D	B	D	D	C	D	C	D	B	A	C	B	D	A
Q.	197	198	199	200										
Ans	D	D	B	D										

SOLUTIONS

सरलीकरण

1. $[(169 \times 121) \div (11 \times 13)] - 3 = ?$

$\Rightarrow [(13 \times 13 \times 11 \times 11) \div (11 \times 13)] - 3 = ?$

$\Rightarrow [(11 \times 13)] - 3 = ? \Rightarrow [143] - 3 = ? \Rightarrow 140 = ?$

2. दिलेली पदावली, $(1 + 2/3) \div [(1 + 1/3) \div (2/3 + 1)] = ?$

$\Rightarrow (5/3) \div [(4/3) \div (5/3)] = ? \Rightarrow (5/3) \div (4/5) \Rightarrow 25/12$

3. $(4992/624) - 10 = 8 - 10 \Rightarrow 8 - 10 = -2$

\therefore आवश्यक मूल्य = -2

4. $(3.2 \times 10^4) \div (2 \times 10^5) \Rightarrow (32 \times 10^3) / (2 \times 10^5) \Rightarrow (32 \times 10^3) / (2 \times 10^5)$

$\Rightarrow 16/10^2$

5. $3108 \div 259 - 10 \Rightarrow (3108/259) - 10 \Rightarrow 12 - 10 = 2$

6. पायरी 1: $18 \times 1.33 - 11 + 13$, पायरी 2: $24 - 11 + 13$, पायरी 3: $24 + 2 = 26$

7. $20 - [15 - \{4 - (8 - 6 + 3)\}]$

$= 20 - [15 - \{4 - (11 - 6)\}] = 20 - [15 - \{4 - 5\}]$

$= 20 - [15 - \{-1\}] = 20 - [15 + 1] = 20 - 16 = 4$

8. $\frac{(6+3)}{3} - 5 \times (4 + 5) \Rightarrow 3 - 5 \times (9) = 3 - 45 \Rightarrow -42$

9. $103 - [(144 \div (12 \times 12)) + 5 + (12 \div (6 - 2)) + 10]$

$\Rightarrow 103 - [(144 \div 144) + 5 + (12 \div 4) + 10]$

$\Rightarrow 103 - [1 + 5 + 3 + 10] \Rightarrow 103 - 19 = 84$

10. $(6 + 4) \times \frac{4}{2} + 5 - 3 \Rightarrow 10 \times 2 + 5 - 3 \Rightarrow 20 + 2 = 22$

11. $\frac{6 \times 2}{8 - 1 + 5} = \frac{12}{12} = 1$

म्हणून, $\frac{6 \times 2}{8 - 1 + 5}$ चे मूल्य 1 आहे.

12. $1800 \div (11 \times 24 \div 8 \times 3 - 69)^2 = 1800 \div (11 \times 3 \times 3 - 69)^2$

$= 1800 \div (99 - 69)^2 = 1800 \div (30)^2 = 1800 \div 900 = 2$

13. $240 \div 8 \times 512 \div 4 = 30 \times 128 = 3840$

14. $0.25 \div 0.0025 \times 0.025 \times 25 = 100 \times 0.025 \times 25 = 2.5 \times 25 = 62.5$

15. $25 \div 10 - \left\{ \frac{7}{4} \times \frac{1}{3} \right\} \times \frac{6}{5} + \frac{14}{3} \times \frac{9}{10} - \left\{ \frac{1}{5} \div \frac{1}{25} \right\}$

$\Rightarrow 25 \div 10 - (7/12) \times (6/5) + (14/3) \times (9/10) - 5$

$\Rightarrow (5/2) - (7/10) + (21/5) - 5 \Rightarrow 67/10 - 7/10 - 5 \Rightarrow 1$

16. $15 - 6.3 \div 7 + 3 \times 1.3 - 2 \Rightarrow 15 - 0.9 + 3.9 - 2 \Rightarrow 15 + 3 - 2 \Rightarrow 16$

17. $17 - 4 \times (5.4 \div 9) + 6 \times 1.9 \Rightarrow 17 - 4 \times 0.6 + 11.4$

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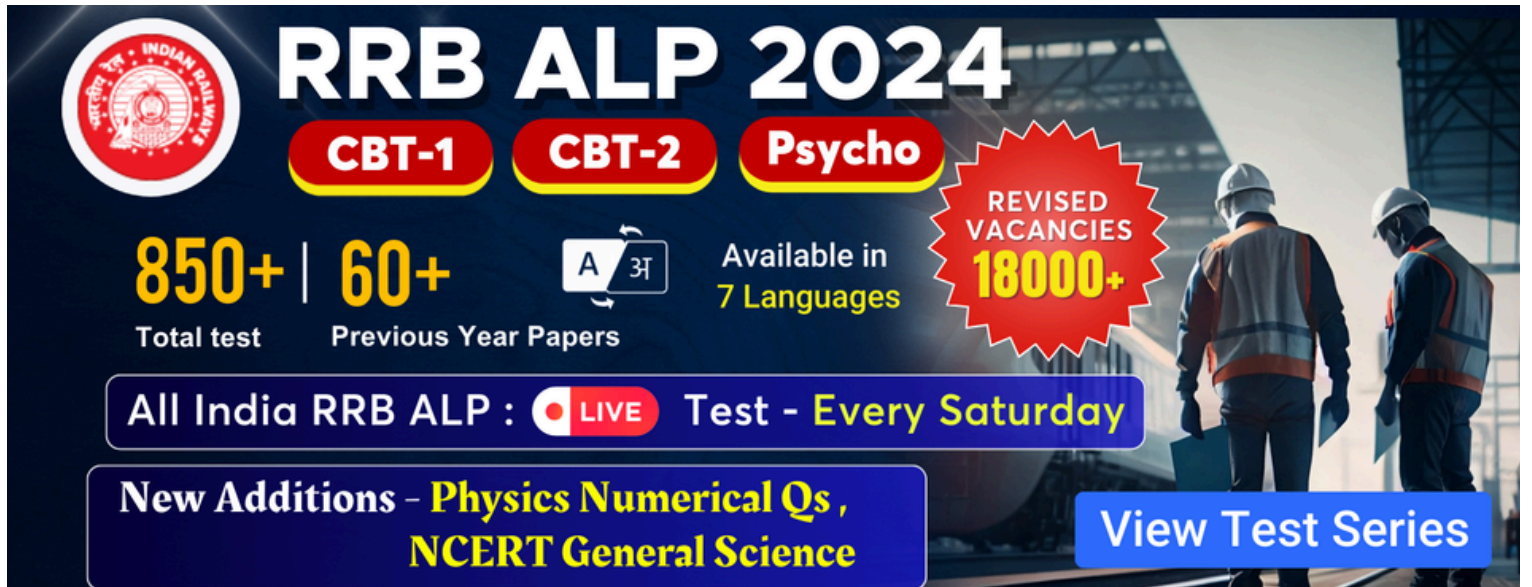
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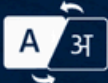
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$$\Rightarrow 17 - 2.4 + 11.4 \Rightarrow 17 + 9 \Rightarrow 26$$

18. येथे, आपल्याकडे, $18 - [6 - \{4 - (8 - (6 + 3))\}]$
 $\Rightarrow 18 - [6 - \{4 - (8 - 9)\}] \Rightarrow 18 - [6 - \{4 + 1\}] \Rightarrow 18 - [6 - 5] \Rightarrow 18 - 1 = 17.$

19. $7 + 5 - 2 \times (7 + 89) - 94 \div 2 + (33 \div 3 + 9 \times 2 - 7) \div 11$
 $\Rightarrow 7 + 5 - 2 \times 96 - 94 \div 2 + (33 \div 3 + 9 \times 2 - 7) \div 11$
 $\Rightarrow 7 + 5 - 2 \times 96 - 94 \div 2 + (11 + 18 - 7) \div 11$
 $\Rightarrow 7 + 5 - 2 \times 96 - 94 \div 2 + 22 \div 11$
 $\Rightarrow 7 + 5 - 2 \times 96 - 47 + 2 \Rightarrow -227 + 2 \Rightarrow -225$

20. येथे, आपल्याकडे, $105 \div 5 \times 3 + 39 - 46$
 $\Rightarrow 21 \times 3 + 39 - 46 \Rightarrow 63 + 39 - 46 \Rightarrow 102 - 46 = 56.$

21. $\frac{46 + \frac{3}{4} \times 32 - 6}{37 - \frac{3}{4} \times (34 - 6)} \Rightarrow (46 + 3 \times 8 - 6) / (37 - 3/4 \times (28))$
 $\Rightarrow (46 + 24 - 6) / (37 - 3/4 \times 7) \Rightarrow (46 + 24 - 6) / (37 - 3 \times 7)$
 $\Rightarrow 64/16 \Rightarrow 4$

22. $17 \times 8 - 6 + [(27 - 3) \div 6 - 4]$
 $\Rightarrow 136 - 6 + [24 \div 6 - 4] \Rightarrow 130 + [4 - 4] \Rightarrow 130 + 0 \Rightarrow 130$

23. $100 \div 10 - [-2 + \{-9 + (3 - 2 \text{ चे } 6)\}] \Rightarrow 10 - [-2 + \{-9 + (3 - 12)\}]$
 $\Rightarrow 10 - [-2 + \{-9 - 9\}] \Rightarrow 10 - [-2 - 18] \Rightarrow 10 + 20 = 30$

24. $80 \div (16 \div 2) + \{[(6 \times 5) - 15 \times 2 + 4] - 12\}$
 $\Rightarrow 80 \div 8 + \{[30 - 30 + 4] - 12\} \Rightarrow 10 + [4 - 12]$
 $\Rightarrow 10 - 8 \Rightarrow 2$

25. $5 + 3 \times 72 \div 24 - 12 = ?$
 $\Rightarrow 5 + 3 \times 3 - 12 = ?, \Rightarrow 5 + 9 - 12 = ?, \Rightarrow 14 - 12 = ?$
 $\therefore 2 = ?$

26. $1800 \div 10 \times \{45 \div (17 - 2)\} \times 2 + \{-2(1 + 2)\}$
 $\Rightarrow 180 \times \{45 \div 15\} \times 2 + \{-2 \times 3\} \Rightarrow 180 \times 3 \times 2 - 6 \Rightarrow 1080 - 6 \Rightarrow 1074$

27. $12 \div (3 \times 2) + 8 \times 4 - 4 \Rightarrow 12 \div 6 + 8 \times 4 - 4$
 $\Rightarrow 2 + 8 \times 4 - 4 \Rightarrow 2 + 32 - 4 \Rightarrow 30$

28.
 $108 \div (36 \times \frac{1}{4}) + \frac{2}{5} \times 3\frac{1}{4}$
 $= 108 \div (9) + \frac{2}{5} \times 3\frac{1}{4}$
 $= 12 + \frac{2}{5} \times \frac{13}{4}$
 $= 12 + \frac{13}{10}$
 $= \frac{133}{10}$
 $= 13\frac{3}{10}$

29. $? = (243)^2 \div (27)^2 \times 6 \div 18$
 $\Rightarrow ? = 81 \times 6 \div 18 \Rightarrow ? = 27$

30. $16 \div 4 \times 2 - 5 + 1 = 4 \times 2 - 5 + 1 \Rightarrow 8 - 5 + 1 \Rightarrow 4$
 आता दिलेल्या पर्यायांवरून; पर्याय 2:
 $[\{(16 \div 4) \times 2\} - 5] + 1 \Rightarrow [\{(16 \div 4) \times 2\} - 5] + 1$
 $\Rightarrow \{4 \times 2\} - 5 + 1 \Rightarrow \{8\} - 5 + 1 \Rightarrow 4 \rightarrow \{\text{म्हणून, पर्याय } [\{(16 \div 4) \times 2\} - 5] + 1 \text{ योग्य आहे.}$

31. $3x + 4 \times 8 \times \frac{1}{9} = x \times \frac{1}{3} - 1$
 $\Rightarrow 3x + 32/9 = x/3 - 1 \Rightarrow 3x - (x/3) = -1 - (32/9)$
 $\Rightarrow (9x - x)/3 = (-9 - 32)/9 \Rightarrow 8x/3 = -41/9$
 $\Rightarrow x = (-41/9) \times (3/8) \Rightarrow x = -41/24$

32. $15 - (6 + 6 \times 6) \div (2 + 5)$
 $\Rightarrow 15 - (6 + 36) \times (1/7) \Rightarrow 15 - 42 \times (1/7) \Rightarrow 15 - 6 \Rightarrow 9$

33. $[3 \div 5 - 4 \text{ चे } 8 + 3 \times \{8 \div 2 - (4 + 3)\}]$
 $\Rightarrow [3 \times (1/5) - 8 \times 4 + 3 \times \{8 \times (1/2) - (7)\}]$
 $\Rightarrow [(3/5) - 32 + 3 \times \{4 - 7\}] \Rightarrow [(3/5) - 32 + 3 \times (-3)]$
 $\Rightarrow [(3/5) - 32 - 9] \Rightarrow (3 - 160 - 45)/5 \Rightarrow -202/5$

34. $4 \times 5 \div 2 - 8 \times 7 + 9 - (3 + 2)$
 $\Rightarrow 4 \times 5 \times (1/2) - 56 + 9 - 5 \Rightarrow 10 - 56 + 4 \Rightarrow -46 + 4 \Rightarrow -42$

35. $-4 = -7 + 3x \Rightarrow 3x = 7 - 4$
 $x = 3/3 \Rightarrow 1$

36. $180 \div 20 \{(15 - 6) + (24 - 18)\} = 180 \div 20 \{(9 + 6)\}$
 $\Rightarrow 180 \div 20 (15) \Rightarrow 180 \div 300 \Rightarrow 180 \times (1/300) \Rightarrow 18/30 \Rightarrow 9/15$

37. येथे, आपल्याकडे, $216 \div 6 + 6 \times 4 - 10$
 आता, BODMAS चा नियम लागू करू,
 $\Rightarrow 36 + 6 \times 4 - 10 \Rightarrow 36 + 24 - 10 \Rightarrow 60 - 10 = 50.$

38. $(7/9) \times (21/5) \times 25[(65^2 - 55^2)]$
 $\Rightarrow (7/9) \times (21/5) \times 25[(4225 - 3025)]$
 $\Rightarrow (7/9) \times (21/5) \times 25[1200] \Rightarrow (7/9) \times (21/5) \times 30000$
 $\Rightarrow (147/45) \times 30000 \Rightarrow 3.266 \times 30000 = 98000$

39. $7 - [3 - \{7 - (5 - (4 - 3))\}] = 7 - [3 - \{7 - (5 - (1))\}]$
 $= 7 - [3 - \{7 - (4)\}] = 7 - [3 - \{3\}] = 7 - 0 = 7$

40. $? = 24 + 7.2 \div 8 - 3 \times 2.3 + 5 \Rightarrow ? = 24 + 0.9 - 3 \times 2.3 + 5$
 $\Rightarrow ? = 24 + 0.9 - 6.9 + 5 \Rightarrow ? = 29.9 - 6.9 \Rightarrow ? = 23$

41. $186 - 7 \times (63 - 39) + 25 \div 5 \Rightarrow 186 - 7 \times 24 + 25 \div 5$
 $\Rightarrow 186 - 7 \times 24 + 5 \Rightarrow 186 - 168 + 5 \Rightarrow 23$

42. $200 \div (5.23 + 4.77) \times (3/5 - 2/10) + (5 - 2)$
 $\Rightarrow 200 \div 10 \times (3/5 - 2/10) + (5 - 2) \Rightarrow 200 \div 10 \times 4/10 + 3$
 $\Rightarrow 20 \times 4/10 + 3 \Rightarrow 8 + 3 \Rightarrow 11$

43. $(4 + 2 - 16 \div 4 + 3) + \{(1 + 8 \times 7) \div 19\} \times \{(3 + 5 - 4) + (17 - 9 \times 4)\}$
 $\Rightarrow (6 - 4 + 3) + \{(57) \div 19\} \times [4 - 19] \Rightarrow 5 + 3 \times (-15)$
 $\Rightarrow 5 - 45 = -40$

44. $(50 + 0.5 \times 20) \div 0.7 \Rightarrow (50 + 10) \div 0.7 \Rightarrow 60 \div 0.7 \Rightarrow 85.71$

45. $(-4.6) \times (-4.6) \div (-4.6 + 0.6) \Rightarrow (-4.6) \times (-4.6) \div (-4)$
 $\Rightarrow (-4.6) \times (1.15) \Rightarrow -5.29$

46. $12 - [26 - \{2 + 5 \times (6 - 3)\}] \Rightarrow 12 - [26 - \{2 + 5 \times 3\}]$
 $\Rightarrow 12 - [26 - 17] \Rightarrow 12 - 9 \Rightarrow 3$

47. $9876 - ? + 5431 = 5553 \Rightarrow 9876 + 5431 - 5553 = ? \Rightarrow ? = 9754$

48. $2^2 - 3^3 + 4^3 - 6^2 = 4 - 27 + 64 - 36 = 5$

49. $4923 \div 547 - 10 \Rightarrow 9 - 10 \Rightarrow (-1)$

50. $69696 \times 9999 \Rightarrow 69696 \times (10000 - 1) \Rightarrow 696960000 - 69696$
 $\Rightarrow 696890304$

51. $\frac{33800}{520} \Rightarrow 33800 / (5 \times 520) \Rightarrow 13$

52. $0.592 \div 0.8 \Rightarrow 0.74$

53. $374 \times 374 - 374 \times 174 \Rightarrow 374 \times (374 - 174) \Rightarrow 374 \times 200 \Rightarrow 74800$

54. $7497 \div 147 - 8 \Rightarrow 51 - 8 \Rightarrow 43$

55. $2^4 \div 2^{-1} \Rightarrow 2^4 + 1 \Rightarrow 2^5 \Rightarrow 2 \times 2 \times 2 \times 2 \Rightarrow 32$

56. समजा, $0.02\overline{36} = x$ ----(i)
 समीकरण (i) ला 100 ने गुणल्यास, आपल्याकडे,
 $100x = 2.3\overline{6}$ ----(ii)
 समीकरण (ii) ला 100 ने गुणल्यास, आपल्याकडे,
 $10000x = 236.\overline{36}$ ----(iii)

समीकरण (iii) मधून समीकरण (ii) वजा केल्यास,
 $9900x = 234 \Rightarrow x = 234/9900 = 26/1100, x = 13/550$

57. $35968 \div 562 \div 8 \Rightarrow 35968 \times 1/562 \times 1/8 \Rightarrow 8$

58. $200 \times 20 \times 2 \times 0.2 \times 0.02 \times 0.002 \Rightarrow 0.064$

59. $(0.2 \times 0.2 \times 0.2) (0.06 \times 0.06 \times 0.06) \div (0.12 \times 0.12 \times 0.12)$
 $\Rightarrow (0.2 \times 0.2 \times 0.2) \times (0.06 \times 0.06 \times 0.06) / (0.12 \times 0.12 \times 0.12)$
 $\Rightarrow 0.008 \times 1/8 \Rightarrow 0.001$

60. $\{13 + [25 \div (3 + 7)]\} - (2 \times 6) \Rightarrow \{13 + [25 \div 10] - 12\}$

$$\Rightarrow \{13 + 2.5 - 12\} \Rightarrow 3.5$$

$$61. 87654 \times 99999 \Rightarrow 87654 \times (100000 - 1) \Rightarrow 8765400000 - 87654 \Rightarrow 8765312346$$

$$62. 5/7 + 21/31 + 52/33$$

7, 31 आणि 33 यांचा लसावि 7161 आहे.

$$\Rightarrow \frac{(5 \times 31 \times 33) + (21 \times 7 \times 33) + (52 \times 7 \times 31)}{7161}$$

$$\Rightarrow (5115 + 4851 + 11284) / 7161 \Rightarrow 21250 / 7161$$

$$63. 237.43 + 7453.32 + 54.12 - 987.23$$

$$\Rightarrow (237 + 7453 + 54 - 987) + (0.43 + 0.32 + 0.12 - 0.23)$$

$$\Rightarrow 6757 + 0.64 \Rightarrow 6757.64$$

$$64. 84 - 4 \div 2 \times 3 + 7 \Rightarrow 84 - 2 \times 3 + 7 \Rightarrow 91 - 6 = 85$$

$$65. 2.04 + 5.019 - 3.001 \times 2.04$$

$$\Rightarrow 2.04 - 3.001 \times 2.04 + 5.019 \Rightarrow 2.04(1 - 3.001) + 5.019$$

$$\Rightarrow 2.04(-2.001) + 5.019 \Rightarrow -4.08204 + 5.019 \Rightarrow 0.93696 \sim 1$$

$$\therefore 2.04 + 5.019 - 3.001 \times 2.04 = 1$$

$$66. (3 + 11) \times 4 \div (6 + 1) - 21 \Rightarrow (14 \times 4) \div 7 - 21 \Rightarrow 56 \div 7 - 21$$

$$\Rightarrow 8 - 21 = -13$$

$$67. 18.01 \times 3.99 + 9.99 \times 3.99$$

$$\Rightarrow (18 + 0.01) \times (4 - 0.01) + (10 - 0.01) \times (4 - 0.01)$$

$$\Rightarrow 72 - 0.18 + 0.04 - 0.0001 + 40 - 0.1 - 0.04 + 0.0001$$

$$\Rightarrow 112 - 0.18 - 0.1 \Rightarrow 112 - 0.28 = 111.72 \approx 112$$

$$68. 2 + [2 + 2 \div \{2 + 2 \div (2 + \frac{1}{3})\}] \Rightarrow 2 + [2 + 2 \div \{2 + 2 \div (\frac{6+1}{3})\}]$$

$$\Rightarrow 2 + [2 + 2 \div \{2 + 2 \div \frac{7}{3}\}] \Rightarrow 2 + [2 + 2 \div \{2 + (0.86)\}] \Rightarrow 2 + [2 + 2 \div \{2.86\}]$$

$$\Rightarrow 2 + [2 + 0.69] \Rightarrow 2 + 2.69$$

$$\Rightarrow 4.69, \text{ अदमासे } 4.7$$

$$69. 4.99 + .99 - 4.01 \times 2 + 3.59$$

डावीकडून उजवीकडे चिन्हे बदलल्यास आणि BODMAS नियम वापरल्यानंतर,

$$= 4.99 + .99 - 4.01 \times 2 + 3.59 = 4.99 + .99 - 8.02 + 3.59$$

$$= 5.98 - 8.02 + 3.59 = -2.04 + 3.59 = 1.55$$

1.55 साठी सर्वात जवळचे अदमासे मूल्य 2 आहे.

$$70. \Rightarrow 5^3 - 9^2 + (12 \div 4)^2 - 32 + 8 \times 0 \Rightarrow 5^3 - 9^2 + (3)^2 - 32 + 8 \times 0$$

$$\Rightarrow 5^3 - 9^2 + 9 - 32 + 8 \times 0 \Rightarrow 125 - 81 + 9 - 32 + 0 \Rightarrow 134 - 113 + 0 \Rightarrow 21$$

$$71. 47 + \{7 + [61 - (21 \div 3)] \div 9\}$$

$$= 47 + \{7 + [61 - 7] \div 9\} = 47 + \{7 + 54 \div 9\} = 47 + \{7 + 6\}$$

$$= 47 + 13 = 60$$

म्हणून, आवश्यक मूल्य 60 आहे.

$$72. (279 \div 31) + (363 \div 33) - (512 \div 16)$$

$$= 9 + 11 - 32 = 20 - 32 = -12$$

73. आता, BODMAS चा नियम वापरू,

$$5 + (12 - 3 \times 4) - 6 \div 2, 5 + (12 - 12) - 6 \div 2$$

$$= 5 + 0 - 6 \div 2 = 5 + 0 - 3 = 5 - 3 = 2$$

म्हणून, "पर्याय 3" योग्य उत्तर आहे.

74. सर्वप्रथम आपण भागाकार सोडवू,

$$= 5.18 \times 4 + 2.06 \times 5 - (10 \div 2) + 1 = 5.18 \times 4 + 2.06 \times 5 - 5 + 1$$

आता गुणाकार सोडवू,

$$= (5.18 \times 4) + (2.06 \times 5) - 5 + 1 = 20.72 + 10.3 - 5 + 1$$

आता बेरीज सोडवू,

$$= 32.02 - 5 = 27.02$$

दिलेल्या पर्यायांपैकी 26 सर्वात जवळ आहे.

75. आता, प्रश्नानुसार,

$$34 - 66 \div 6 + 18 \times 8 \Rightarrow 34 - 11 + 144 \Rightarrow 167$$

$$76. 27.92 \times 4 + 3.96 \times 5 - 18 \div 2 + 1$$

$$= 27.92 \times 4 + 3.96 \times 5 - 9 + 1 = 111.68 + 19.80 - 9 + 1$$

$$= 111.68 + 19.80 + 1 - 9 = 132.48 - 9 = 123.48 \sim 124$$

$$77. (6 - 3) \div [(9 - 6) \div \{(6 - 4) \div (2 + \frac{8}{13})\}]$$

$$\Rightarrow 3 \div [(3) \div \{(2) \div (\frac{26+8}{13})\}] \Rightarrow 3 \div [(3) \div \{2 \div \frac{34}{13}\}]$$

$$\Rightarrow 3 \div [3 \times \frac{17}{13}] \Rightarrow 3 \times [\frac{13}{3 \times 17}] \Rightarrow \frac{13}{17}$$

$$78. [(12 \div 4) \times \{\frac{12}{3} + \frac{5}{3} \times (7 - 4)\}] \Rightarrow$$

$$[(12 \div 4) \times \{\frac{12}{3} + \frac{5}{3} \times (3)\}] \Rightarrow 27$$

$$79. 3 + 3 \times [(11 - 2) \div 3] - 2 \times 3$$

$$= 3 + 3 \times [9 \div 3] - 2 \times 3 = 3 + 3 \times [3] - 6 = 3 + 9 - 6 = 12 - 6 = 6$$

$$80. 23.96 + 24.96 + 23.16 - 18.89 \times 3.04 + 36.13 \div 6.1$$

$$= 23.96 + 24.96 + 23.16 - 18.89 \times 3.04 + 5.92$$

$$= 23.96 + 24.96 + 23.16 - 57.425 + 5.92$$

$$= (23.96 + 24.96 + 23.16 + 5.92) - 57.425$$

$$= 78 - 57.425 = 20.575 \sim 21$$

अशाप्रकारे, आवश्यक जवळचे मूल्य 21 आहे.

$$81. 26.52 \times 3.89 - 7.79 \times 2 + 27.39$$

$$\Rightarrow 103.16 - 7.79 \times 2 + 27.39 \Rightarrow 103.16 + 27.39 - 15.58$$

$$\Rightarrow 130.55 - 15.58 \Rightarrow 114.97$$

अशाप्रकारे, 114.97 चे सर्वात जवळचे अदमासे मूल्य 119 आहे.

$$82. 11 - \{7 - 56 \div (2 \times 3 + 1)\}$$

$$= 11 - \{7 - 56 \div (6 + 1)\} = 11 - \{7 - 56 \div 7\}$$

$$= 11 - \{7 - 8\} = 11 - \{-1\} = 11 + 1$$

$$= 12$$

$$83. 40 - [3 - \{4 - (6 - 6 - 4)\}]$$

$$\Rightarrow 40 - [3 - \{4 - (6 - 2)\}] \Rightarrow 40 - [3 - \{4 - 4\}] \Rightarrow 40 - 3 = 37$$

84. दिलेल्या पदावलीसाठी, तिची $(a - b)^3$ च्या सूत्राशी तुलना केल्यास,

$$\Rightarrow (3.7)^3 - 3 \times (3.7)^2 \times (0.7) + 3(3.7) \times (0.7)^2 - (0.7)^3$$

$$\Rightarrow a = 3.7 \text{ आणि } b = 0.7$$

$$\Rightarrow (3.7)^3 - 3 \times (3.7)^2 \times (0.7) + 3(3.7) \times (0.7)^2 - (0.7)^3 = (3.7 - 0.7)^3$$

$$\Rightarrow (3.7 - 0.7)^3 = 3^3 = 27$$

$$85. \text{ जसे, } \sqrt{360} = 18.97 \text{ आणि } \sqrt{170} = 13.03$$

येथे, आपल्याकडे,

$$(\sqrt{360} + 12 \div 6 \times 3 - \sqrt{170}) \div 2, (18.97 + 12 \div 6 \times 3 - 13.03) \div 2$$

$$(18.97 + 2 \times 3 - 13.03) \div 2, (18.97 + 6 - 13.03) \div 2$$

$$(24.97 - 13.03) \div 2 \Rightarrow 11.94 \div 2 = 5.97 \approx 6$$

$$86. -48 \div [4 \times (6 - 5 + 1)] \div 24$$

BODMAS चा नियम वापरून,

$$= -48 \div [4 \times (6 - 5 + 1)] \div 24 = -48 \div [4 \times 2] \div 24 = -48 \div 8 \div 24$$

$$= -6 \div 24 = -\frac{1}{4}$$

$$87. [\{(54.36 \times 0.4) + 0.256\} \div \sqrt{121}]$$

$$= [\{(54.36 \times 0.4) + 0.256\} \div 11] = [21.744 + 0.256] \div 11$$

$$= [22 \div 11] = 2$$

$$88. \text{ येथे, आपल्याकडे, } \frac{[(0.68)^2 + (0.32)^2 + 16 \times 0.0136]}{[(0.68)^3 - (0.32)^3] \div (0.3)^2}$$

आता, अंश व छेद दोन्हींना अनुक्रमे $(0.68 - 0.32)$ ने गुणू,

$$\Rightarrow \frac{(0.68 - 0.32)[(0.68)^2 + (0.32)^2 + 0.2176]}{(0.68 - 0.32)[(0.68)^3 - (0.32)^3] \div (0.3)^2}$$

आता, समीकरणाचा अंश पुढील रूपात असेल,

$$(a - b)(a^2 + b^2 + ab) = (a^3 - b^3)$$

येथे, $a = 0.68$ आणि $b = 0.32$

$$\Rightarrow \frac{[(0.68)^3 - (0.32)^3]}{(0.68 - 0.32)[(0.68)^3 - (0.32)^3] \div (0.3)^2} = \frac{1}{0.36 \div 0.09} = 1/4$$

89. डावी बाजू सोडविल्यास,

$$0.045 + 0.154 - 0.09 + 1.5 - (0.3 \times 0.8), 0.199 - 1.59 - (0.24), -1.631$$

$$\text{उजवी बाजू } x - 0.231$$

$$\text{डावी बाजू} = \text{उजवी बाजू } -1.631 = x - 0.231, X = 0.231 - 1.631 = 1.400$$

$$90. [\{(324 \div 9) \div 4\} \times 25 + 186], [\{36 \div 4\} \times 25 + 186]$$

$$[9 \times 25 + 186], [225 + 186, 411]$$

$$91. 143 - 144 \div 16 \times 3 - 1$$

BODMAS चा नियम वापरून,

$$= 143 - 144 \div 16 \times 3 - 1 = 143 - 9 \times 3 - 1 = 143 - 27 - 1$$

$$= 116 - 1 = 115$$

$$92. (\sqrt{142} + 52 \div 26 \times 5 - \sqrt{80}) \times 2 \Rightarrow (11.9 + 52 \div 26 \times 5 - 8.9) \times 2$$

$$\Rightarrow (11.9 + 2 \times 5 - 8.9) \times 2 \Rightarrow (11.9 + 10 - 8.9) \times 2$$

$$\Rightarrow (21.9 - 8.9) \times 2 \Rightarrow 13 \times 2 = 26$$

$$93. 5 + \frac{5 \times 5}{5} - 5 \Rightarrow 5 + \frac{25}{5} - 5$$

$$\Rightarrow 5 + 5 - 5 = 5$$

$$94. 2.06 - 3.16 + 4.59 - 1.79 \Rightarrow 2.06 + 4.59 - 3.16 - 1.79 \Rightarrow 6.65 - 4.95 \Rightarrow 1.70$$

$$95. 36 \div (8 \times 3) - [3 \div \{4 \times \{3 \times 4 \div (5 - 9) + 6\}\}] \Rightarrow 36 \div 24 - [3 \div \{4 \times \{3 \times 4 \div (-4) + 6\}\}]$$

$$\Rightarrow 36 \div 24 - (1/4) \Rightarrow 5/4 \Rightarrow 1.25$$

म्हणून, 1.25 हे 1 आणि 1.3 दरम्यान आहे.

$$96. \frac{2}{3} + \frac{4}{9} \div \left(\frac{7}{2} - \frac{5}{6}\right) \Rightarrow \frac{2}{3} + \frac{4}{9} \div \left(\frac{21-5}{6}\right) \Rightarrow \frac{2}{3} + \frac{4}{9} \times \frac{6}{16}$$

$$\Rightarrow \frac{5}{6}$$

$$97. 17.821 + 178.21 - ? = 169.93 \Rightarrow 18 + 178 - ? = 170 \Rightarrow 26 = ?$$

$$98. \Rightarrow 9 \text{ चे } (4 + 2) - 6 \times 2 + \frac{5}{5} = 9 \text{ चे } 6 - 6 \times 2 + \frac{5}{5}$$

$$\Rightarrow 54 - 6 \times 2 + \frac{5}{5} = 54 - 12 + 1 = 43$$

$$99. 49 - [35 + \{12 \div (6 + \overline{7 - 12}) \text{ चे } 3\}] \Rightarrow 49 - [35 + \{12 \div (6 - 5) \text{ चे } 3\}] \Rightarrow 49 - [35 + \{12 \div 3\}] \Rightarrow 49 - [35 + 4]$$

$$\Rightarrow 10$$

$$100. \frac{(11\frac{11}{12} \times 1\frac{3}{13} \div 2\frac{3}{4}) \div (\frac{7}{10} \div (\frac{3}{4} \times 1\frac{2}{5}))}{\frac{1}{4} \times \frac{2}{3} \times 2\frac{2}{5}}$$

$$\frac{(\frac{143}{12} \times \frac{16}{13} \times \frac{4}{11}) \div (\frac{7}{10} \div \frac{21}{20})}{\frac{1}{4} \times \frac{2}{3} \times 2\frac{2}{5}}$$

$$\frac{(\frac{16}{3}) \div (\frac{2}{3})}{\frac{1}{4} \times \frac{2}{3} \times 2\frac{2}{5}}$$

$$\frac{8}{\frac{1}{4} \times \frac{2}{3} \times \frac{12}{5}}$$

$$\Rightarrow 20$$

$$101. 131/3 \div [35 + 3 \times 24/4 + (42 \div 7 - 16/3)]$$

$$\Rightarrow 131/3 \div [35 + 3 \times 6 + (6 - 16/3)] \Rightarrow 131/3 \div [35 + 18 + (18 - 16)/3]$$

$$\Rightarrow 131/3 \div [53 + 2/3] \Rightarrow 131/3 \div [159 + 2/3] \Rightarrow 131/3 \div 161/3$$

$$\Rightarrow 131 \div 161 = 131/161$$

$$102. (15 \div 3) - \{[(19 - 1) \div 2] - [5 \times 20 - (7 \times 9 - (-2))]\}$$

$$\Rightarrow (5) - \{[(18) \div 2] - [100 - (63 + 2)]\} \Rightarrow (5) - \{[9] - [100 - 65]\}$$

$$\Rightarrow 31$$

$$103.$$

$$\frac{3}{4} \times 2\frac{2}{3} \div \frac{5}{9} \text{ of } 1\frac{1}{5} - \frac{3}{5} \text{ of } \left(\frac{2}{3} \div \frac{2}{3} \text{ of } \frac{3}{2}\right) + \frac{4}{5} \times 1\frac{1}{9} \div \frac{8}{15} - \frac{2}{3}$$

$$\Rightarrow \frac{3}{4} \times \frac{8}{3} \div \frac{5}{9} \text{ of } \frac{6}{5} - \frac{2}{5} + \frac{4}{5} \times \frac{10}{9} \div \frac{8}{15} - \frac{2}{3}$$

$$\Rightarrow \frac{3}{4} \times \frac{8}{3} \div \frac{2}{3} - \frac{2}{5} + \frac{4}{5} \times \frac{10}{9} \div \frac{8}{15} - \frac{2}{3}$$

$$\Rightarrow \frac{3}{4} \times 4 - \frac{2}{5} + \frac{4}{5} \times \frac{25}{12} - \frac{2}{3} \Rightarrow 3 - \frac{2}{5} + 1 \Rightarrow \frac{18}{5} = 3\frac{3}{5}$$

$$104. [10 - \{(3/4) + \{9/2 - (1/4 + 1/84)\}\}] \div 4$$

$$\Rightarrow [10 - \{(3/4) + \{9/2 - (21 + 1)/84\}\}] \div 4$$

$$\Rightarrow [10 - \{(3/4) + \{9/2 - 11/42\}\}] \div 4 \Rightarrow [10 - \{(3/4) + 89/21\}] \div 4$$

$$\Rightarrow [10 - \{(63 + 356)/(21 \times 4)\}] \div 4 \Rightarrow [10 - (419/84)] \div 4$$

$$\Rightarrow [(840 - 419)/84] \div 4 \Rightarrow 1\frac{85}{336}$$

$$105. \frac{17}{2} \div \frac{15}{2} \times \frac{13}{2} \div \frac{169}{30} \Rightarrow \frac{17 \times 13}{15 \times 2} \times \frac{13 \times 15}{17 \times 2} \div \frac{169}{30} = 7\frac{1}{2}$$

$$106. 10 - 18 \div 3 \times 3 + 27 \div 3^2 \Rightarrow 10 - 6 \times 3 + 27 \div 9 \Rightarrow 10 - 18 + 3$$

$$\Rightarrow 13 - 18 = -5$$

$$107. 13/6 \times \{1\frac{19}{26} + 15/13 \times (5/7 \div 25/14)\}$$

$$13/6 \times \{1\frac{19}{26} + 15/13 \times (5/7 \times 14/25)\}$$

$$\Rightarrow 13/6 \times \{45/26 + 15/13 \times 2/5\} \Rightarrow 13/6 \times \{45/26 + 30/65\}$$

$$\Rightarrow 13/6 \times \{(225 + 60)/(13 \times 5 \times 2)\} \text{ ----}(26 \text{ आणि } 65 \text{ यांचा लसावि}$$

$$\text{घेऊ} = 13 \times 5 \times 2)$$

$$\Rightarrow 13/6 \times 285/130 \Rightarrow 19/4$$

$$108. 5/4 \times (\frac{23/4}{2k/7}) \div 23/8 - 15/4 = 13/4 \Rightarrow \frac{15}{4} \times (\frac{23}{4} \times \frac{7}{2k}) \div \frac{23}{8} -$$

$$\frac{15}{4} = \frac{13}{4}$$

$$\frac{5}{4} \times \frac{161}{8k} \times \frac{8}{23} - \frac{15}{4} = \frac{13}{4} \Rightarrow \frac{35}{4k} = \frac{15}{4} + \frac{13}{4} \Rightarrow k = \frac{35}{28} = \frac{5}{4}$$

आता, $(k + 1)/(k - 1)$ मध्ये k चे मूल्य ठेवल्यास,

$$(\frac{5}{4} + 1) / (\frac{5}{4} - 1) = \frac{9/4}{1/4} = \frac{9}{1} \times 4 = 9$$

$$109. (1\frac{1}{3} \times 1\frac{4}{5} \div \frac{3}{5}) \times \frac{3}{8} - \frac{2}{3} \Rightarrow (\frac{4}{3} \times \frac{9}{5} \times \frac{5}{3}) \times \frac{3}{8} - \frac{2}{3} \Rightarrow 4 \times$$

$$\frac{3}{8} - \frac{2}{3} \Rightarrow 5/6$$

$$110. 84 \div 32 \times 8 - 15 \div 8 \times (19 - 35) \Rightarrow 84 \div 32 \times 8 - 15 \div 8 \times (-16)$$

$$\Rightarrow 21/8 \times 8 - (15/8) \times (-16) \Rightarrow 51$$

$$111. 72 \div 4 \times \{8 \times 4 - (14 - 19)\} \Rightarrow 72 \div 4 \times \{8 \times 4 - (-5)\} \Rightarrow 72 \div$$

$$4 \times \{32 + 5\} \Rightarrow 72 \div 4 \times 37 \Rightarrow 666$$

$$112. [2\frac{7}{8} - \{3 - (1\frac{1}{4} - \frac{5}{8})\}] + P \times \frac{1}{8} = 0$$

$$\Rightarrow [2\frac{7}{8} - \{3 - \frac{5}{8}\}] + P \times \frac{1}{8} = 0$$

$$\Rightarrow [\frac{23}{8} - \frac{19}{8}] + P \times \frac{1}{8} = 0$$

$$\Rightarrow \frac{1}{2} + P \times \frac{1}{8} = 0$$

$$\Rightarrow \frac{1}{2} + \frac{P}{8} = 0 \Rightarrow P = -4$$

$$113. 7\frac{3}{5} \times 4\frac{1}{2} - K = 26\frac{3}{4} \Rightarrow \frac{38}{5} \times \frac{9}{2} - K = \frac{107}{4}$$

$$\frac{342}{10} - \frac{107}{4} = K \Rightarrow K = \frac{684 - 535}{20} \Rightarrow K = \frac{149}{20} \Rightarrow K = 7\frac{9}{20}$$

$$114. \Rightarrow \frac{27}{5} \times \frac{15}{81} \div \left\{\frac{14}{77} \times \frac{86}{72} \times \frac{99}{43}\right\} \Rightarrow \frac{27}{5} \times \frac{15}{81} \div \frac{1}{2} \Rightarrow$$

$$\frac{27}{5} \times \frac{15}{81} \times 2 = 2$$

$$115. (ab) \div c$$

$$\Rightarrow \frac{17}{99} \times \frac{13}{47} \div \frac{34}{33} \Rightarrow \frac{17}{99} \times \frac{13}{47} \times \frac{33}{34} \Rightarrow \frac{1}{3} \times \frac{13}{47} \times \frac{1}{2} = \frac{13}{282}$$

$$116. 30 \div 10 \times 4 - 6 + 4 \Rightarrow 3 \times 4 - 6 + 4 \Rightarrow 12 - 6 + 4 \Rightarrow 16 - 6 \Rightarrow 10$$

म्हणून, "पर्याय 2" हे योग्य उत्तर आहे.

$$117. 3.5 \times 0.5 \times (4.4 - 0.625 \div 1.5625)$$

$$\Rightarrow 3.5 \times 0.5 \times (4.4 - 0.4) \Rightarrow 3.5 \times 0.5 \times (4) \Rightarrow 3.5 \times 2 = 7$$

$$118. 5 - 10 \div 5 \times 2 - [12 \div \{5 \times 6 \div (6 - 9) + 13\} \text{ चे } 6 \times (8 \div 3 \text{ चे } 4)]$$

$$\Rightarrow 5 - 10 \div 5 \times 2 - [12 \div \{5 \times 6 \div (6 - 9) + 13\} \text{ चे } 6 \times (8 \div 12)]$$

$$\Rightarrow 5 - 10 \div 5 \times 2 - [12 \div \{5 \times 6 \div (-3) + 13\} \text{ चे } 6 \times 2/3]$$

$$\Rightarrow 5 - 10 \div 5 \times 2 - [12 \div \{5 \times (-2) + 13\} \text{ चे } 6 \times 2/3]$$

$$\Rightarrow 5 - 10 \div 5 \times 2 - 4/9 \Rightarrow 5 - 2 \times 2 - 4/9 \Rightarrow 5 - 4 - 4/9$$

$$\Rightarrow 1 - 4/9 = 5/9$$

$$119. [1 + \frac{1}{1 + \frac{1}{5}}] \div (1 + 6/11) = x/2 \Rightarrow [1 + \frac{1}{1 + \frac{1}{5}}] \div (1 + 6/11) = x/2$$

$$\Rightarrow [1 + 6/11] \div 17/11 = x/2 \Rightarrow 17/11 \div 17/11 = x/2$$

$$\Rightarrow x = 1 \times 2 = 2$$

$$120. 22.5 \text{ चे } 32\% - \frac{2}{3} \times \sqrt[3]{512} \times \sqrt{81}$$

$$\Rightarrow (22.5 \text{ चे } 0.32) - \frac{2}{3} \times \sqrt[3]{512} \times \sqrt{81}$$

$$\Rightarrow 7.2 - \frac{2}{3} \times 8 \times 9 \Rightarrow 7.2 - 48 \Rightarrow -40.8$$

$$121. \frac{9}{15} \times \frac{45}{81} \times \left\{\frac{49}{6} \times \left(\frac{16}{7} - 2\right)\right\} \times \frac{24}{5} \div \frac{16}{15}$$

$$\Rightarrow \frac{9}{15} \times \frac{45}{81} \times \left\{\frac{49}{6} \times \left(\frac{16-14}{7}\right)\right\} \times \frac{24}{5} \div \frac{16}{15}$$

$$\Rightarrow \frac{9}{15} \times \frac{45}{81} \times \left\{\frac{49}{6} \times \frac{2}{7}\right\} \times \frac{24}{5} \div \frac{16}{15}$$

$$\Rightarrow \frac{9}{15} \times \frac{45}{81} \times \frac{7}{3} \times \frac{24}{5} \div \frac{16}{15} \Rightarrow \frac{9}{15} \times \frac{45}{81} \times \frac{7}{3} \times \frac{24}{5} \times \frac{15}{16}$$

$$\Rightarrow \frac{1}{3} \times \frac{21}{2} \Rightarrow \frac{7}{2}$$

$$122. 27 \times 3 \times 896 \div \sqrt{3136} = y + 640 \Rightarrow 27 \times 3 \times 896 \div 56 = y + 640 \Rightarrow 27 \times 3 \times 16 = y + 640 \Rightarrow 1296 = y + 640 \Rightarrow y = 1296 - 640 \Rightarrow y = 656$$

$$123. (162 \div 9) \div 3 - (343 \div 49) \div 7 \Rightarrow 18 \div 3 - 7 \div 7 \Rightarrow 6 - 1 \Rightarrow 5$$

$$124. \text{समजा, ती संख्या } Q \text{ आहे. } \\ Q \text{ चे } 29.5\% = 0.59 \Rightarrow Q \text{ चे } 0.295 = 0.59 \\ \Rightarrow 0.295 \times Q = 0.59 \Rightarrow Q = 0.59/0.295 \Rightarrow Q = 2$$

$$125. 65 - [40 - (60 \div 5 - (18 - 24 \div 4) \div 6)] \\ \Rightarrow 65 - [40 - (60 \div 5 - (18 - 6) \div 6)] \\ \Rightarrow 65 - [40 - (60 \div 5 - 12 \div 6)] \Rightarrow 65 - [40 - (12 - 2)] \Rightarrow 35$$

$$126. 18 + 48 \div 12 \times (32 \div 4)^2 - 8 \Rightarrow 18 + 48 \div 12 \times 8^2 - 8 \Rightarrow 18 + 4 \times 8^2 - 8 \Rightarrow 266$$

$$127. 30 \div (40 \div 4 \times 10 \div 5) \times 6 - 4 \Rightarrow 30 \div (10 \times 2) \times 6 - 4 \Rightarrow 30 \div 20 \times 6 - 4 \Rightarrow 30/20 \times 6 - 4 \Rightarrow 3/2 \times 6 - 4 = 5$$

$$128. [(7 \times 9) + (3 \times 8) + 3] \div [(9 \times 4) + (72 \div 8)] \\ \Rightarrow [(7 \times 9) + (3 \times 8) + 3] \div [(9 \times 4) + 9] \\ \Rightarrow [(7 \times 9) + (3 \times 8) + 3] \div (36 + 9) \Rightarrow [(7 \times 9) + (3 \times 8) + 3] \div 45 \\ \Rightarrow [63 + (3 \times 8) + 3] \div 45 \Rightarrow [63 + (24 + 3)] \div 45 \\ \Rightarrow (63 + 27) \div 45 \Rightarrow 90 \div 45 \Rightarrow 2$$

$$129. \frac{12 - [(3-5) \times 4] \div 8 - 8 + [6 \div (12 \times 2)]}{9 \times 15 \div (12 \times 10) - [12 \div (6 \times 2)]} \Rightarrow \frac{12 - [(3-5) \times 4] \div 8 - 8 + [6 \div 24]}{9 \times 15 \div (12 \times 10) - [12 \div 12]} \\ \Rightarrow \frac{12 - [(3-5) \times 4] \div 8 - 8 + 1/4}{9 \times 15 \div (12 \times 10) - 1} \Rightarrow \frac{12 - [-2 \times 4] \div 8 - 8 + 1/4}{9 \times 15 \div 120 - 1} \\ \Rightarrow \frac{12 - [-8] \div 8 - 8 + 1/4}{9 \times 1/8 - 1} \Rightarrow \frac{12 - [-1] - 8 + 1/4}{9/8 - 1} \\ \Rightarrow \frac{13 - 8 + 1/4}{9/8 - 1} \Rightarrow \frac{5 + 1/4}{9/8 - 1} \Rightarrow \frac{(20+1)/4}{(9-8)/8} \\ \Rightarrow \frac{21/4}{1/8} \Rightarrow 21/4 \times 8/1 \Rightarrow (21 \times 2) \Rightarrow 42$$

$$130. \frac{12 - 6 \div 2 + 4}{3^2 \times 3 - 7 + 6} \\ \Rightarrow \frac{12 - 3 + 4}{27 - 7 + 6} = \frac{13}{26} = \frac{1}{2}$$

$$131. 56 \div 14 \times 2^2 - 12 \times 6 \div 3 + 10 \\ \Rightarrow 4 \times 2^2 - 12 \times 2 + 10 \Rightarrow 4 \times 4 - 12 \times 2 + 10 \Rightarrow 16 - 24 + 10 \Rightarrow 2$$

$$132. 1 - \frac{(4 \div 5 - 1 \times 3 + 2) \times 8}{3^2 \times 8 - 4 \times 2} \Rightarrow 1 - \frac{(0.8 - 1 \times 3 + 2) \times 8}{3^2 \times 8 - 4 \times 2} \\ \Rightarrow 1 - \frac{(0.8 - 3 + 2) \times 8}{9 \times 8 - 4 \times 2} \Rightarrow 1 - \frac{(-0.2) \times 8}{72 - 8} \\ \Rightarrow 1 - \frac{-1.6}{64} \Rightarrow 1 + \frac{1.6}{64} \Rightarrow 1 + 0.025 \\ \Rightarrow 1.025 \Rightarrow \frac{41}{40}$$

$$133. 72 - 4(40 + 24 \div 8 \times 6 - 4 \times 4) + 20 \\ \Rightarrow 72 - 4(40 + 3 \times 6 - 4 \times 4) + 20 \Rightarrow 72 - 4(40 + 18 - 16) + 20 \\ \Rightarrow 72 - 4 \times 42 + 20 \Rightarrow 72 - 168 + 20 \Rightarrow (-76)$$

$$134. 95 \div 15 - 34 \div \{18 - 4 \div (3 \times 12) \times 9\} \times 2 \\ \Rightarrow 95 \div 15 - 34 \div \{18 - 4 \div 36 \times 9\} \times 2 \\ \Rightarrow 95 \div 15 - 34 \div \{18 - 1/9 \times 9\} \times 2 \\ \Rightarrow 95 \div 15 - 34 \div \{18 - 1\} \times 2 \Rightarrow 95 \div 15 - 34 \div 17 \times 2 \\ \Rightarrow 19/3 - 2 \times 2 \Rightarrow 19/3 - 4 \Rightarrow (19 - 12)/3 \Rightarrow 7/3 = 2\frac{1}{3}$$

$$135. \Rightarrow 56 \div [(1/3)\{15 + 12 - (9 + 6 - 12)\}] \Rightarrow 56 \div [(1/3)\{15 + 12 - (15 - 12)\}] \\ \Rightarrow 56 \div [(1/3)\{15 + 12 - 3\}] \Rightarrow 56 \div [(1/3)\{27 - 3\}] \\ \Rightarrow 56 \div [(1/3)\{24\}] \Rightarrow 56 \div 8 \Rightarrow 7.$$

$$136. 22 - [23 - \{24 - (27 - (-5))\}] \\ \Rightarrow 22 - [23 - \{24 - (27 + 5)\}] \Rightarrow 22 - [23 - \{24 - 32\}] \\ \Rightarrow 22 - [23 - (-8)] \Rightarrow 22 - [23 + 8] \Rightarrow 22 - 31 \\ \therefore -9$$

$$137. (136 \div 17) + (17 \times 13) - (103 - 85) \times (62 + 145) \div 23, \\ \Rightarrow 8 + 221 - 18 \times 207 \div 23 \Rightarrow 8 + 221 - 18 \times 9 \Rightarrow 8 + 221 - 162 \Rightarrow 67$$

$$138. -15 - (-18 - 35 \div 5) \Rightarrow -15 - (-18 - 7) \Rightarrow -15 - (-25) \Rightarrow -15 + 25 = 10$$

$$139. 66 \div [67 - \{43 - (17 - 117 \div 9 \times 4)\}] = ? \\ \Rightarrow 66 \div [67 - \{43 - (17 - 13 \times 4)\}] = ? \Rightarrow 66 \div [67 - \{43 - (17 - 52)\}] = ? \\ \Rightarrow 66 \div [67 - \{43 - (-35)\}] = ? \Rightarrow 66 \div [67 - \{43 + 35\}] = ? \\ \Rightarrow 66 \div [67 - 78] = ? \Rightarrow 66 \div -11 = ? \Rightarrow -6 = ?$$

$$140. 119 \div [22 - \{90 \div (23 - 105 \div (7 \times 3))\}] \\ \Rightarrow 119 \div [22 - \{90 \div (23 - 105 \div 21)\}] \Rightarrow 119 \div [22 - \{90 \div (23 - 5)\}] \\ \Rightarrow 119 \div [22 - \{90 \div 18\}] \Rightarrow 119 \div [22 - 5] \Rightarrow 119 \div 17 = 7$$

$$141. 70 \div 5 \times (10 - 8 \div 2) \div 3 \Rightarrow 14 \times (10 - 4) \div 3 \therefore 14 \times 2 = 28$$

$$142. 63 - (-3)(-2 - 8 - 4) \div [3\{5 + (-2)(-1)\}] \\ \Rightarrow 63 - (-3)(-2 - 8 - 4) \div [3\{5 + 2\}] \Rightarrow 63 - (42) \div 21 = 61$$

$$143. 162 \div [51 - \{29 - (9 - \overline{6+7})\}] \\ \Rightarrow 162 \div [51 - \{29 - (9 - 13)\}] \\ \Rightarrow 162 \div [51 - \{29 - (-4)\}] \\ \Rightarrow 162 \div [51 - \{29 + 4\}] \\ \Rightarrow 162 \div [51 - \{33\}] \\ \Rightarrow 162 \div 18 \Rightarrow 9$$

$$144. 119 \div [22 - \{90 \div (23 - 105 \div 7 \times 3)\}] \\ \Rightarrow 119 \div [22 - \{90 \div (23 - 105 \div 21)\}] \Rightarrow 119 \div [22 - \{90 \div (23 - 5)\}] \\ \Rightarrow 119 \div [22 - \{90 \div 18\}] \Rightarrow 119 \div [22 - \{5\}] \Rightarrow 119 \div [17] \Rightarrow 7$$

$$145. 15 \times 3 - 9 \times (5^2 \div 5) \div 5 \div (1 \div 3) + 10 \\ \Rightarrow 15 \times 3 - 9 \times 5 \div 5 \div (1/3) + 10 \Rightarrow 15 \times 3 - 9 \times 1 \times 3 + 10 \\ \Rightarrow 45 - 27 + 10 \Rightarrow 28$$

$$146. p = 36 - 2(20 + 12 \div 4 \times 3 - 2 \times 2) + 10 \\ \Rightarrow p = 36 - 2(20 + 3 \times 3 - 2 \times 2) + 10 \\ \Rightarrow p = 36 - 2(20 + 9 - 4) + 10 \Rightarrow p = 36 - 2 \times 25 + 10 \\ \Rightarrow p = 36 - 50 + 10 \Rightarrow p = -4 \Rightarrow 2p = -8$$

$$147. 8 \text{ किलो } 25 \text{ ग्रॅम} = 8 \times 1000 + 25 = 8025 \text{ ग्रॅम} \Rightarrow 8025 \text{ ग्रॅम} \times 25 = 200625 \text{ ग्रॅम} = 200.625 \text{ किलो}$$

$$148. 22 - [23 - \{24 - (27 - \overline{29-30})\}] \\ \Rightarrow 22 - [23 - \{24 - (27 - (-1))\}] \Rightarrow 22 - [23 - \{24 - 28\}] \\ \Rightarrow 22 - [23 - (-4)] \Rightarrow 22 - 27 \Rightarrow -5$$

$$149. 75 \div [35 - \{63 - (79 - 54 \div 9 \times 6)\}] \\ \Rightarrow 75 \div [35 - \{63 - (79 - 6 \times 6)\}] \Rightarrow 75 \div [35 - \{63 - (79 - 36)\}] \\ \Rightarrow 75 \div [35 - \{63 - 43\}] \Rightarrow 75 \div [35 - 20] \Rightarrow 75 \div 15 = 5$$

$$150. \Rightarrow \{40 - (90 \div 5 \times 8 \div 2 \div 3)\} \Rightarrow \{40 - (90 \times \frac{1}{5} \times 8 \times \frac{1}{2} \times \frac{1}{3})\} \\ \Rightarrow \{40 - 24\} \Rightarrow 16$$

$$151. (-18) [36 \div \{7 - (-2)\}] \div [(-4)\{19 - (-3) \times (-5)\}] \\ \Rightarrow (-18) [36 \div 9] \div [(-4)\{19 - 15\}] \Rightarrow (-18) \times 4 \div [(-4) \times 4] \\ \Rightarrow (-72) \div (-16) \Rightarrow 4.5$$

$$152. (-12)[11 + \{7 \times (-3)\}] \div [4\{13 - (-3) \times (-6)\}] \\ \Rightarrow (-12)[11 + \{-21\}] \div [4\{13 - 18\}] \Rightarrow (-12)[-10] \div [4 \times (-5)] \\ \Rightarrow 120 \div (-20) \Rightarrow -6$$

$$153. 80 \div [48 - \{56 - (60 - 36 \div 12 \times 4)\}] \\ \Rightarrow 80 \div [48 - \{56 - (60 - 3 \times 4)\}] \Rightarrow 80 \div [48 - \{56 - (60 - 12)\}] \\ \Rightarrow 80 \div [48 - \{56 - 48\}] \Rightarrow 80 \div [48 - 8] \Rightarrow 80 \div 40 \Rightarrow 2$$

$$154. \{52 - (9 - 2)\} \div [3 \times \{1 + (-2) \times (-2)\}] \\ \Rightarrow \{52 - 7\} \div [3 \times \{1 + 4\}] \Rightarrow 45 \div [3 \times 5] \Rightarrow 45 \div 15 \Rightarrow 3$$

$$155. \Rightarrow \left(\frac{2}{5} + \frac{4}{15}\right) \text{ च्या } \frac{3}{2} = \frac{10}{15} \text{ च्या } \frac{3}{12}$$

$$\Rightarrow \frac{3}{12} \times \frac{10}{15} \times \frac{5}{1} = \frac{5}{6}$$

$$156. 4 + 3 \times 4 + 3 \times 4^2 + 3 \times 4^3 + 3 \times 4^4 + 3 \times 4^5 \\ \Rightarrow 4(1 + 3) + 3 \times 4^2 + 3 \times 4^3 + 3 \times 4^4 + 3 \times 4^5$$

$$\begin{aligned} &\Rightarrow 4^2 + 3 \times 4^2 + 3 \times 4^3 + 3 \times 4^4 + 3 \times 4^5 \\ &\Rightarrow 4^2(1 + 3) + 3 \times 4^3 + 3 \times 4^4 + 3 \times 4^5 \\ &\Rightarrow 4^5(1 + 3) \\ &\Rightarrow 4^6 \end{aligned}$$

$$157. 138 \div [35 - \{53 - (89 - 72 \div 9 \times 6)\}]$$

$$138 \div [35 - \{53 - (89 - 8 \times 6)\}], 138 \div [35 - \{53 - (89 - 48)\}]$$

$$138 \div [35 - \{53 - 41\}], 138 \div [35 - 12], 138 \div 23 = 6$$

$$158. \text{जर } 551 \div 29 = 19, \text{ तर, } 55 \div 19 = 29, 55/19 = 29$$

$$5.51/(0.0019 \times 10^2) = 29, 5.51/(0.0019) = 2900$$

$$159. 7580 - X = 3440 \quad X = 4140$$

$$160. x + 5.42 - 3.56 = 10 \Rightarrow x + 1.86 = 10 \Rightarrow x = 10 - 1.86 \Rightarrow x = 8.14$$

$$161. \Rightarrow \left(\frac{2}{3} \times \frac{1}{6}\right) + \left(\frac{2}{3} \times \frac{7}{2}\right) - \left(\frac{13}{4} \times \frac{4}{3}\right) \Rightarrow \frac{1}{9} + \frac{7}{3} - \frac{13}{3}$$

$$\Rightarrow (1 + 21 - 39)/9 \Rightarrow -17/9$$

$$162. \Rightarrow 11/8 \times 4/11 \div 3/16 - 3/8 \Rightarrow 1/2 \div 3/16 - 3/8 \Rightarrow 1/2 \times 16/3 - 3/8 \Rightarrow 8/3 - 3/8$$

$$\Rightarrow (64 - 9)/24 \Rightarrow 55/24 \Rightarrow 2\frac{7}{24}$$

$$163. \left(\frac{3}{11} \times \frac{33}{6}\right) - \left(\frac{9}{4} \times \frac{12}{3}\right) + \left(\frac{5}{11} \times \frac{22}{10}\right)$$

$$\Rightarrow 3/2 - 9 + 1 \Rightarrow (3 - 18 + 2)/2 \Rightarrow (-13)/2$$

$$164. \Rightarrow \left(\frac{3}{2} \times \frac{1}{6}\right) + \left(\frac{5}{3} \times \frac{7}{2}\right) - \left(\frac{13}{4} \times \frac{4}{3}\right)$$

$$\Rightarrow 1/4 + 35/6 - 13/3 \Rightarrow (3 + 70 - 52)/12 \Rightarrow 21/12$$

$$165. |21 \div (-7) + 12| \times 21 + 5 \Rightarrow |-3 + 12| \times 21 + 5 \Rightarrow |9| \times 21 + 5$$

$$\Rightarrow 9 \times 21 + 5 \Rightarrow 189 + 5 \Rightarrow 194$$

$$166. 40 - (7 \times 3 + 24 \div 8 \times 3 - 4 \times 2) + 12$$

$$\Rightarrow 40 - (7 \times 3 + 3 \times 3 - 4 \times 2) + 12 \Rightarrow 40 - (21 + 9 - 8) + 12$$

$$\Rightarrow 40 - 22 + 12 \Rightarrow 52 - 22 \Rightarrow 30$$

$$167. 5.032 + 150.03 + 40.00 - 30.50 \Rightarrow 195.062 - 30.50 \text{ आवश्यक उत्तर} = 164.562$$

$$168. 4^2 \times \{(2 + 3) - 11\} \Rightarrow 4^2 \times \{5 - 11\} \Rightarrow 16 \times \{-6\} \text{ आवश्यक उत्तर} = -96$$

$$169. 40 - 2(12 + 13 \div 5 \times 3 - 5 \times 2) + 19 \Rightarrow 40 - 2(12 + 39/5 - 5 \times 2) + 19$$

$$\Rightarrow 40 - 2(12 + 7.8 - 10) + 19 \Rightarrow 40 - 2(19.8 - 10) + 19$$

$$\Rightarrow 40 - 2 \times 9.8 + 19 \Rightarrow 40 - 19.6 + 19 \Rightarrow 59 - 19.6 \Rightarrow 39.4$$

$$170. 20 \div [\{2 \times (-4)\} - 15 + 25] \Rightarrow 20 \div [\{-8\} + 10] \Rightarrow 20 \div 2 \Rightarrow 10$$

$$171. \Rightarrow 132 \times 16 \div 2^3 + 4$$

$$\Rightarrow 132 \times 16/8 + 4 \Rightarrow 132 \times 2 + 4 \Rightarrow 264 + 4 \Rightarrow 268$$

$$172. 384 \div 25 \times 3 + 8 = ? \Rightarrow (384/25) \times 3 + 8 = ? \Rightarrow 12 \times 3 + 8 = ?$$

$$\Rightarrow 36 + 8 = ? \Rightarrow 44$$

$$173. 105 \times 2/(3 \times 5) - 6 \Rightarrow (210/15) - 6 \Rightarrow 14 - 6 = 8$$

$$174. 66 \times 32 \div 2^3 + 8 = 66 \times 32 \div 8 + 8 = 66 \times 4 + 8 =$$

$$\Rightarrow 264 + 8 = 272$$

$$175. 3.0005 \times 10000 = 30005, 1.748 \times 10000 = 17480, 30005 - 17480 = 12525$$

$$\therefore 12525/10000 = 1.2525$$

$$176. (55/11) + (18 - 6) \times 9 \Rightarrow 5 + 12 \times 9 \Rightarrow 113$$

$$177. \{8 + (2^4 + 3)\} \div 9 \Rightarrow \{8 + (16 + 3)\} \div 9 \Rightarrow (8 + 19) \div 9 \Rightarrow 27 \div 9 \Rightarrow 3$$

$$178. 140 \div [61 - \{36 - (40 - 60 \div 12 \times 6)\}]$$

$$\Rightarrow 140 \div [61 - \{36 - (40 - 5 \times 6)\}] \Rightarrow 140 \div [61 - \{36 - (40 - 30)\}]$$

$$\Rightarrow 140 \div [61 - \{36 - 10\}] \Rightarrow 140 \div [61 - 26] \Rightarrow 140 \div 35 \Rightarrow 4$$

$$179. 77 \div [46 - \{66 - (52 - 63 \div 9 \times 3)\}] \Rightarrow 77 \div [46 - \{66 - (52 - 7 \times 3)\}]$$

$$\Rightarrow 77 \div [46 - \{66 - (52 - 21)\}] \Rightarrow 77 \div [46 - \{66 - 31\}]$$

$$\Rightarrow 77 \div [46 - 35] \Rightarrow 77 \div 11 \Rightarrow 7$$

$$180. ? = (-5) \{20 - (-2) \times (-8)\} \Rightarrow (-5) \{20 - (16)\} \Rightarrow (-5) \{4\} \therefore ? = -20$$

$$181. 2 - [3 - \{6 - (5 - 4 - 3 + 10)\}]$$

$$\Rightarrow 2 - [3 - \{6 - (15 - 4 - 3)\}] \Rightarrow 2 - [3 - \{6 - (15 - 7)\}]$$

$$\Rightarrow 2 - [3 - \{6 - 8\}] \Rightarrow 2 - [3 + 2] \Rightarrow 2 - 5 \Rightarrow -3$$

$$182. 111 \div [-(5^2) + \{33 \div (-22 \div -2)\}] \text{ च्या } (-4)$$

$$\Rightarrow 111 \div [-25 + \{33 \div 11\}] \text{ च्या } (-4) \Rightarrow 111 \div [-25 + 3 \text{ च्या } (-4)]$$

$$\Rightarrow 111 \div [-25 - 12] \Rightarrow 111 \div (-37) \Rightarrow (-3)$$

$$183. \{39 - (19 - 44)\} \div \{-4 \times 3 - (-4)\} \Rightarrow \{39 + 25\} \div \{-12 + 4\}$$

$$\Rightarrow 64 \div (-8) \Rightarrow (-8)$$

$$184. \frac{51}{50} - \frac{1}{50} \Rightarrow 50/50 \Rightarrow 1$$

$$185. 8 \times \{7 - (-2) \times (-4)\} \Rightarrow 8 \times \{7 - 8\} \Rightarrow 8 \times (-1) \Rightarrow (-8)$$

$$186. 92 - [71 + \{4 - (5 - (4 - 2))\}]$$

$$\Rightarrow 92 - [71 + \{4 - (5 - 2)\}] \Rightarrow 92 - [71 + \{4 - 3\}]$$

$$\Rightarrow 92 - [71 + 1] \Rightarrow 92 - 72 \Rightarrow 20$$

$$187. x = 63.5535/13.05, \therefore x = 4.87$$

$$188. \Rightarrow 84 \div [50 - \{4^3 - (30 - 128 \div 32)\}]$$

$$\Rightarrow 84 \div [50 - \{64 - (30 - 4)\}] \Rightarrow 84 \div [50 - \{64 - 26\}]$$

$$\Rightarrow 84 \div [50 - 38] \Rightarrow 84 \div 12 \Rightarrow 7$$

$$189. 2.4 - 0.15 + 7.5 \Rightarrow 9.75$$

$$190. \{(99 - 1)/7^2\} \times 2 + 8 = ?, \Rightarrow ? = (98/49) \times 2 + 8$$

$$\Rightarrow ? = 2 \times 2 + 8, \Rightarrow ? = 4 + 8 = 12$$

$$191. 104 \div [68 - \{29 - (45 - 56 \div 7 \times 4)\}] = ?$$

$$\Rightarrow ? = 104 \div [68 - \{29 - (45 - 8 \times 4)\}] \Rightarrow ? = 104 \div [68 - \{29 - 13\}]$$

$$\Rightarrow ? = 104 \div [68 - 16] \Rightarrow ? = 104 \div 52 \Rightarrow ? = 2$$

$$192. 129 \div [46 - \{93 \div (35 - 132 \div 33)\}]$$

$$\Rightarrow 129 \div [46 - \{93 \div (35 - 4)\}] \Rightarrow 129 \div [46 - \{93 \div 31\}]$$

$$\Rightarrow 129 \div [46 - 3] \Rightarrow 129 \div 43 \Rightarrow 3$$

$$193. \Rightarrow \frac{16}{9} + \frac{5}{12} + \frac{7}{18} \Rightarrow (64 + 15 + 14)/36 \Rightarrow 93/36$$

$$194. 75 - (96 - 3 - 58) \div 5 + 4 \times 17 = ?$$

$$\Rightarrow 75 - 35 \div 5 + 4 \times 17 = ? \Rightarrow 75 - 7 + 4 \times 17 = ?$$

$$\Rightarrow 75 - 7 + 68 = ? \Rightarrow 143 - 7 = ? \Rightarrow 136 = ?$$

$$195. \Rightarrow 30 - [29 - \{28 - (25 + 1)\}] = ? \Rightarrow 30 - [29 - \{28 - 26\}] = ?$$

$$\Rightarrow 30 - [29 - 2] = ? \Rightarrow 30 - 27 = ? \Rightarrow 3 = ?$$

$$196. 3 + [32 \div 8 \times 52 \div (4 + 9)] \Rightarrow 3 + [32 \div 8 \times 52 \div 13]$$

$$\Rightarrow 3 + [4 \times 4] \Rightarrow 3 + 16 \Rightarrow 19$$

$$197. \{20 - (25 - 33)\} \div \{-5 \times 4 - (-6)\} + 56 \div (-27 + 13)$$

$$\Rightarrow \{20 - (-8)\} \div \{-5 \times 4 + 6\} + 56 \div (-14)$$

$$\Rightarrow \{20 + 8\} \div \{-20 + 6\} + 56 \div (-14)$$

$$\Rightarrow \{28\} \div \{-14\} + 56 \div (-14) \Rightarrow -2 - 4 \Rightarrow -6$$

$$198. \text{पायरी 1: } 4 \text{ च्या } 7 = 7 \times 4 = 28, \text{ पायरी 2: } 112/28 = 4$$

$$\text{पायरी 3: } 25 - 4 = 21, \text{ पायरी 4: } 37 - 21 = 16$$

$$\text{पायरी 5: } 40 - 16 = 24, \text{ पायरी 6: } 144/24 = 6$$

$$199. 396 - 39.6 - 3.96 - 0.396 = ? \Rightarrow 396 - 43.956 = ? \Rightarrow 352.044 = ?$$

$$200. (3.6 + 6.4) (3.6 - 6.4) - (3.6 - 6.4)^2 = ?$$

$$\Rightarrow 10 \times (-2.8) - (-2.8)^2 = ? \Rightarrow -28 - 7.84 = ? \Rightarrow -35.84 = ?$$

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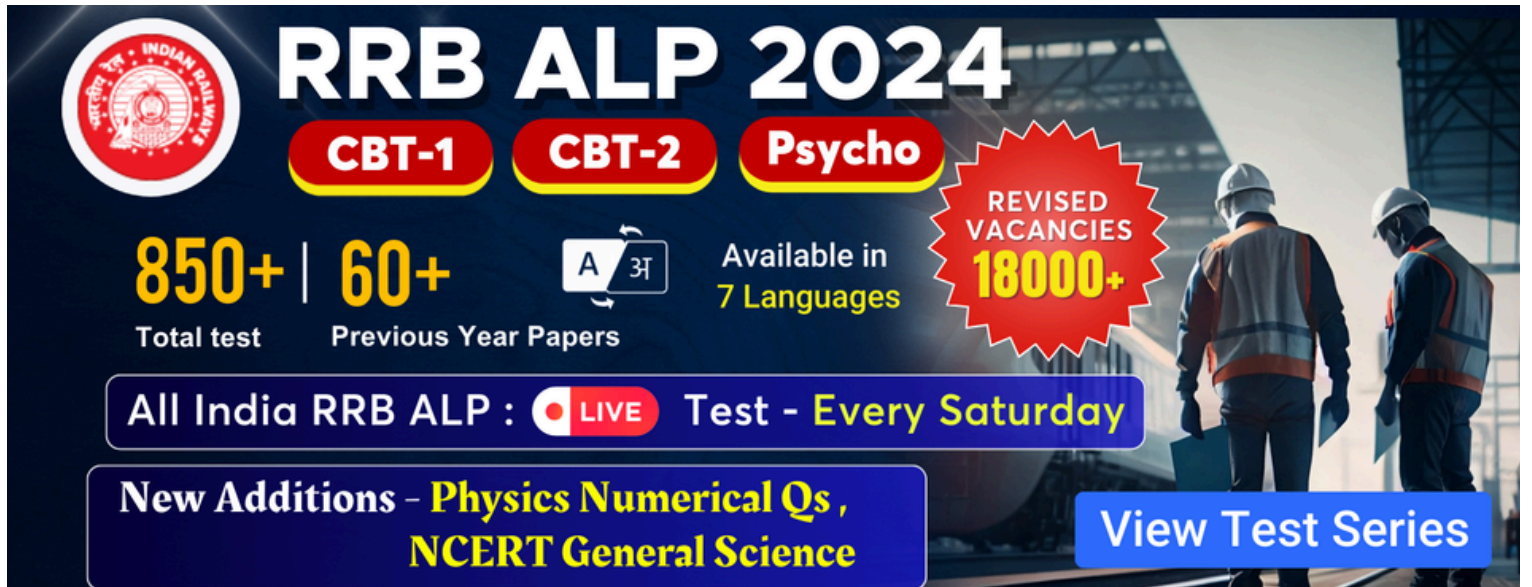
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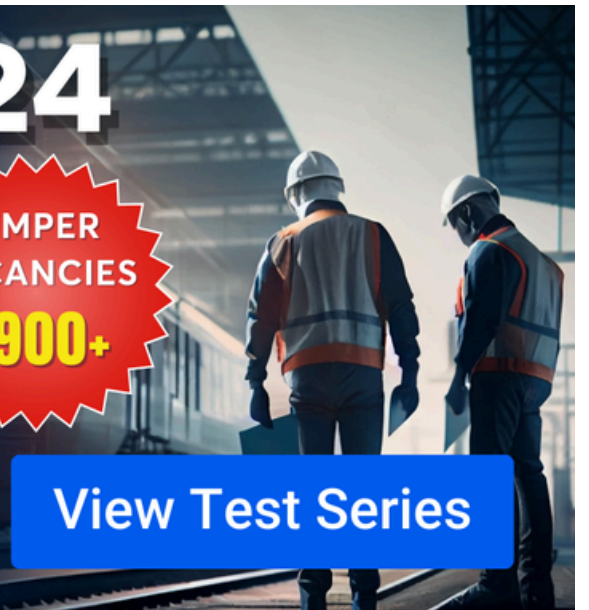
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