

43. $\frac{\sqrt[3]{6859}}{\sqrt[4]{256}} \times \frac{2}{57} \times 168 = ?$

(RRB NTPC GRADUATE LEVEL CBT – 1 2025) (RRB JE 2025)

[A] 28

[C] 30

[B] 37

[D] 38

$$\frac{19}{4} \times \frac{2}{57} \times 168 = 28$$

44. The simplified value of $\left(\frac{\sqrt[3]{4913}}{\sqrt[4]{1296}}\right) \times \frac{3}{51} \times 168$ is.

$\left(\frac{\sqrt[3]{4913}}{\sqrt[4]{1296}}\right) \times \frac{3}{51} \times 168$ का सरलीकृत मान है।

(RRB ALP CBT – 1 2025)

[A] 30

[B] 28

[C] 26

[D] 38

~~$\frac{17}{6} \times \frac{3}{51} \times 168$~~ 28

45. The simplified value of $\left(\frac{\sqrt[3]{2744}}{\sqrt[4]{4096}}\right) \times \frac{3}{42} \times 84$ is.

$\left(\frac{\sqrt[3]{2744}}{\sqrt[4]{4096}}\right) \times \frac{3}{42} \times 84$ का सरलीकृत मान ज्ञात कीजिए।

[RRB ALP CBT-1 2025]

☒ [A] 14

[C] 13

[B] 22

[D] 15

46. Simplify: $\sqrt[6]{729} + \sqrt[4]{65536} + \sqrt[3]{5832} + \sqrt{1764}$.

$\sqrt[6]{729} + \sqrt[4]{65536} + \sqrt[3]{5832} + \sqrt{1764}$ को सरल कीजिए।

[A] 121 $\sqrt{256}$

[B] 65

[C] 133

[D] 79

$$\sqrt{x} = \sqrt[4]{x}$$

$$3 + 16 + 18 + 42$$

$$3^6 = 9^3 = 27^2 = 729$$

$$\sqrt{x} = x^{\frac{1}{2}}$$

$$\sqrt[n]{x} = x^{\frac{1}{n}}$$

$$\sqrt[4]{65536} = \cancel{254} = 256 \checkmark$$

47. *If $(584)^2 = 341056$, then the value of square root of 34.1056 is?*

यदि $(584)^2 = 341056$, तो $\sqrt{34.1056}$ के वर्गमूल का मान क्या है?

(RRB ALP 2024)

~~[A] 0.0584~~

~~[B] 0.000584~~

~~[C] 0.584~~

[D] 5.84

$\sqrt{34.1056} = 5.84$

48. The simplified value of $\sqrt{1.0816}$ is?

$\sqrt{1.0816}$ का सरलीकृत मान क्या है?

(RRB TECHNICIAN GRADE – 3 2024)

[A] ~~0.904~~

[B] ~~1.35~~

[C] ~~1.286~~

[D] 1.04

$$\sqrt{1.0816} = 1.04$$

49. The value of $6^2 + \sqrt{2^2} - 5\sqrt{25} - 11$ is.

निम्नलिखित का मान ज्ञात कीजिए।

(RRB NTPC 12th LEVEL CBT-2 2025) [RRB ALP CBT-1 2025]

[A] -2

[B] 3

[C] -5

[D] 2

$$\cancel{36 + 2 - 25 - 11}$$

50. **Simplify** $\sqrt[3]{0.216} + \sqrt[3]{0.001} - \sqrt[3]{0.008}$.

निम्नलिखित को सरल कीजिए। $\sqrt[3]{0.216} + \sqrt[3]{0.001} - \sqrt[3]{0.008}$.

(RRB NTPC GRADUATE LEVEL CBT-1 2026)

[A] 0.2

✓ [B] 0.5

[C] 0.6

[D] 0.4

$$.6 + .1 - .2$$

51. The value of $\sqrt{144} + \sqrt{0.0324} - \sqrt{6.76} = ?$

$\sqrt{144} + \sqrt{0.0324} - \sqrt{6.76}$ का मान क्या है?

(RRB TECHNICIAN GRADE – 1 2025)

[A] 8.53

[C] 14.76

☒ [B] 9.58

[D] 2.7

$$\begin{aligned} & 12 + .18 - 2.6 \\ &= 9.4 + .18 \end{aligned}$$

52. The value of $\sqrt{196} + \sqrt{0.0361} - \sqrt{7.29}$ is _____.
 $\sqrt{196} + \sqrt{0.0361} - \sqrt{7.29}$ का मान _____ है।

(RRB NTPC 12th LEVEL 2025)

[A] 11.49

[B] 16.65

[C] 16.25

[D] 9.66

$$14 + 0.19 - 2.7$$

53. Find the value of $\frac{\sqrt{0.018496}}{\sqrt{0.001156}}$ का मान ज्ञात कीजिए।

[A] 19

[B] 18

[C] 12

[D] 4

$$\sqrt{\frac{18496}{1156}} =$$

54. The value of $\sqrt{0.0016} \times \sqrt[3]{80000000}$ is?

$\sqrt{0.0016} \times \sqrt[3]{80000000}$ का मान क्या है?

(RRB ALP 2024)

[A] ~~8~~

[B] 16

[C] 0.8

[D] 1.6

0.04×200

$= 8$

55. If $\sqrt{1521} = 39$, then find the value of $\sqrt{15.21} + \sqrt{0.1521} + \sqrt{0.001521} + \sqrt{0.00001521} + \sqrt{0.0000001521}$ up to two places of decimals?

यदि $\sqrt{1521}=39$, तो $\sqrt{15.21} + \sqrt{0.1521} + \sqrt{0.001521} + \sqrt{0.00001521} + \sqrt{0.0000001521}$ का मान दशमलव के दो स्थानों तक ज्ञात कीजिए?

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[A] 4.11

[B] 4.33

[C] 4.77

[D] 4.55

$$\begin{array}{r} 3.9 \\ .39 \\ .039 \\ .0039 \\ + .00039 \\ \hline 4.33329 \end{array}$$

56. Given that $\sqrt{19} = 4.35$ & $\sqrt{190} = 13.78$, then the value of $\sqrt{1.9} + \sqrt{1900} + \sqrt{0.019}$ will be equal to?

दिया गया है कि $\sqrt{19} = 4.35$ & $\sqrt{190} = 13.78$, तो $\sqrt{1.9} + \sqrt{1900} + \sqrt{0.019}$ का मान किसके बराबर होगा?

[A] 43.0142

[C] 46.0186

~~[B] 45.0158~~

[D] 48.0542

$$\begin{array}{c} \boxed{\sqrt{1.9} + \sqrt{1900} + \sqrt{0.019}} \\ \downarrow \quad \downarrow \quad \downarrow \\ 1.378 + 43.5 + 0.1378 \end{array}$$

$$\sqrt{1.9} = 1.378$$

$$\sqrt{0.019} = \cancel{13.78} \cdot 1378$$

$$\begin{array}{l} \sqrt{19 \times 100} \\ 4.35 \times 10 \end{array}$$

57. Find the value of 172.2896×10^{-5} .

172.2896×10^{-5} का मान ज्ञात कीजिए।

☒ **[A] 0.001722896**

[B] 0.01722896

[C] 1722896

[D] 0.1722896

58. The value of which of the following options is equal to 3.14×10^6 ?

निम्नलिखित में से किस विकल्प का मान 3.14×10^6 के बराबर है?

RRB NTPC 2021

[A] 31.40000

[B] 3140000

[C] 314000

[D] 3140

59. The value of $(0.1 \times 0.001 \times 0.0001 \times 10^6)$ is?

0.1 $\times$ 0.001 $\times$ 0.0001 $\times 10^6$ का मान क्या है?

RRB TECHNICIAN GRADE-3 2024

[A] 1

[C] 100

[B] $\frac{1}{10}$

[D] $\frac{1}{100}$

२

$10^{-1} \times 10^{-3} \times 10^{-4} \times 10^6$
 10^{-2}

• 0/

60. **$2418.4 \times 795.8 \times 0.3735$ is equal in value to:**

$2418.4 \times 795.8 \times 0.3735$ का मान _____ के बराबर है।

(RRB NTPC GRADUATE LEVEL CBT – 1 2025)

- [A] $2.4184 \times 7.958 \times 373.5$ ✗
- [B] $24.184 \times 7958 \times 3.735$ ✓✓
- [C] $241.84 \times 795.8 \times 373.5$ ✗
- [D] $2.4184 \times 79.58 \times 37.35$ ✗

6

61. If $\frac{0.707}{49.0} = a$, then the value of $\frac{7.07}{0.49}$ is:

यदि $\frac{0.707}{49.0} = a$, तो $\frac{7.07}{0.49}$ का मान है:

(DELHI POLICE CONSTABLE Executive 2025)

[A] $\frac{a}{100}$

[C] $\frac{a}{10}$

✓ [B] $1000a$

[D] $10a$

$$\frac{7.07}{0.49} = a \times 1000$$

62. If $\frac{1}{4.263} = 0.2346$, find the value of $\frac{1}{0.0004263}$.

यदि $\frac{1}{4.263} = 0.2346$ है, तो $\frac{1}{0.0004263}$ का मान ज्ञात कीजिए।

(RRB NTPC GRADUATE LEVEL CBT – 1 2025)

[A] 4.263

[B] 2.346

[C] 2346

[D] 4263

$$\frac{1}{0.0004263} = 0.2346 \times 10^4$$

63.

$$\sqrt{\frac{(0.03)^2 + (0.21)^2 + (0.065)^2}{(0.003)^2 + (0.021)^2 + (0.0065)^2}} = ? \sqrt{10^2}$$

RRB NTPC 2021

[A] 0.1

[C] 10^2

[B] 10

[D] 10^3

$$\sqrt{\frac{9^2 + 39^2}{7^2 + 13^2}} = \sqrt{\frac{3^2 \cdot (7^2 + 13^2)}{7^2 + 13^2}} = \sqrt{3^2} = 3$$

64. Find the value of the expression : $\frac{0.079^2 + 0.25^2 + 3.37^2}{0.0079^2 + 0.025^2 + 0.337^2}$

व्यंजक का मान ज्ञात कीजिए : $\frac{0.079^2 + 0.25^2 + 3.37^2}{0.0079^2 + 0.025^2 + 0.337^2}$

(RRB GROUP D 2025)

☒ [A] 100

[C] 699

[B] 1000

[D] 3699

$$= 10^9$$

65. Find the value of the following:

निम्नलिखित का मान ज्ञात कीजिए:

$$\frac{259 \times 261}{7 \times 185 \times 87}$$

(RRB GROUP D 2025)

[A] 75

[C] 0.94

[B] 0.54

✓ [D] 0.6

5/3

66. $331 \times 226 = 74806$. What will be the value of 3.31×0.226 ?

$331 \times 226 = 74806$ होता है। 3.31×0.226 का मान कितना होगा?

RRB NTPC 2021

[A] 0.74806

[C] 0.074806

[B] 7.4806

[D] 74.806

67. $25.12 \times 37.5 = 942$ what will be the value of 2512×0.00375 ?

$25.12 \times 37.5 = 942$ तो 2512×0.00375 का मान क्या होगा?

RRB NTPC 2021

[A] 0.0942

[C] 0.942

[B] 9.42

[D] 94.2

68. When 63558 is divided by 321, the quotient is 198. What will be the quotient when 6.3558 is divided by 0.0198?

जब 63558 को 321 से विभाजित किया जाता है, तो भागफल 198 होता है। जब 6.3558 को 0.0198 से विभाजित किया जाता है, तो भागफल क्या होगा?

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[A] 3.21

[B] 321

[C] 32.1

[D] 3210

$$\frac{63558}{198} =$$

$$\frac{63558}{321} \Rightarrow 198$$

69. Using $4515 \div 12.9 = 350$, find the value of $4.515 \div 12.9$

$4515 \div 12.9 = 350$ का उपयोग करते हुए, $4.515 \div 12.9$ का मान ज्ञात कीजिए

RRB GROUP-D 2022

[A] 3.5

[C] 0.035

☒ [B] 0.35

[D] 35

$= 0.350$

70. How many digits will be there after the decimal point in the product of 0.325 and 1.0302?
0.325 और 1.0302 के गुणनफल में दशमलव बिंदु के बाद कितने अंक होंगे?

(DP CONSTABLE 2023)

[A] ~~8~~

[C] 5

[B] ~~7~~

[D] 6

$$\underline{.325} \times \underline{1.0302} = \underline{\hspace{2cm}}$$

$$5 \times 2$$

71. Find the value of $(625)^{0.07} \times (625)^{0.18}$.

$(625)^{0.07} \times (625)^{0.18}$ का मान ज्ञात कीजिए।

[A] 25

☒ [C] 5

[B] 625

[D] 125

$$= 625^{0.25}$$
$$= 625^{\frac{1}{4}}$$

$$a^m \times a^n = a^{m+n}$$
$$= \sqrt[4]{625}$$

72. If $47.2506 = 4A + \frac{7}{B} + 2C + \frac{5}{D} + 6E$ then $5A + 3B + 6C + D + 3E = ?$

यदि $47.2506 = 4A + \frac{7}{B} + 2C + \frac{5}{D} + 6E$ है, तो $5A + 3B + 6C + D + 3E = ?$
 $50 + 3 + .6 + 100 + .0003$

[A] 53.6003

[B] 53.6012

✓ [C] 153.6003

[D] 213.003

$$4 \times 10 + \frac{7}{1} + \frac{2}{10} + \frac{5}{100} + \frac{6}{10000}$$

$$A = 10$$

$$B = 1$$

$$C = .1$$

$$D = 100$$

$$E = .0001$$

$$\frac{1}{10000}$$