08.

Arithmetical Operations

Type - 2

1. If L means +, M means –, N means × and P means ÷ then the value of 28N5L50P5M4?
(a) 170 (b) 146
(c) 150 (d) 148
RRB Group-D – 29/10/2018 (Shift-III)

Ans : (b) 28N5L50P5M4 = ?
On changing the symbols
= 28 × 5 + 50 ÷ 5 – 4
= 28 × 5 + 10 – 4
= 140 + 6 = 146

2. If L means +, M means –, N means ×, P means ÷ then the value of 2N4L21P3M6 ?
(a) 13 (b) 9
(c) 8 (d) 10
RRB Paramedical 21.07.2019 (Shift : III)

Ans : (b) 2N4L21P3M6 = ?
On changing the symbols
= 2 × 4 + 21 ÷ 3 – 6
= 2 × 4 + 7 – 6
= 8 + 1
= 9

3. If 'Q' means '+', 'J' means '×', 'T' means '–' and 'K' means '÷' then the value of 18K3Q7J2T8 ?
(a) 10 (b) 15
(c) 18 (d) 12
RRB Group-D – 17/09/2018 (Shift-II)

Ans : (d) 18K3Q7J2T8
On changing the symbols
= 18 ÷ 3 + 7 × 2 – 8
= 6 + 14 – 8
= 6 + 6
= 12

4. If Q means +, J means × , T means – And K means ÷ then the value of 42K3Q9J4T2 ?
(a) 50 (b) 48
(c) 55 (d) 57
RRB Group-D – 11/10/2018 (Shift-III)

Ans : (b) 42K3Q9J4T2 = ?
On changing the symbols
= 42 ÷ 3 + 9 × 4 – 2
= 14 + 9 × 4 – 2
= 14 + 36 – 2
= 14 + 34 = 48

5. If P means ×, R means +, T means ÷ And S means – then the value of 35T5P6S4R3 ?
(a) 40 (b) 32
(c) 41 (d) 25
RRB Group-D – 22/10/2018 (Shift-II)

Ans : (c) 35 T 5 P 6S 4R 3 = ?
On changing the symbols
= 35 ÷ 5 × 6 – 4 + 3
= 42 – 1
= 41

6. If P means ÷, Q means ×, R means + And S means – then the value of 14Q16P4R7S10 ?
(a) 52 (b) 48
(c) 53 (d) 50
RRB Group-D – 24/10/2018 (Shift-I)

Ans : (c) 14 Q 16P4 R 7 S 10 = ?
On changing the symbols
= 14 × 16 ÷ 4 + 7 – 10
= 14 × 4 + 7 – 10
= 56 + 7 – 10
= 63 – 10
= 53

7. If A means '+', M means '×', D means '÷' And S means '–', then 30 D 2 A 3 M 6 S 5 ?
(a) 30 (b) 25
(c) 28 (d) 58
RRB Group-D – 28/11/2018 (Shift-I)

Ans : (c) 30 D 2 A 3 M 6 S 5 = ?
On changing the symbols
= 30 ÷ 2 + 3 × 6 – 5
= 15 + 3 × 6 – 5
= 15 + 18 – 5 = 28

8. If '+' represents A, '–' represents K, '÷' represents E, '=' represents S, '>' represents R, '<' represents V And '×' represents B then which of the following option is true ?
(a) 18 E 3 S 6 A 8 E 4 K 12
(b) 18 E 3 K 6 A 8 A 4 S 12
(c) 15 R 3 B 6 A 8 K 4 A 12
(d) 15 V 3 A 6 B 8 K 4 B 12
RRB Group-D – 16/11/2018 (Shift-III)

Ans. (b) + ⇒ A, = ⇒ S
– ⇒ K , > ⇒ R
÷ ⇒ E, < ⇒ V
× ⇒ B
from option (b)
⇒ 18 E 3 K 6 A 8 A 4 S 12
⇒ 18 ÷ 3 – 6 + 8 + 4 = 12
⇒ 6 – 6 + 8 + 4 = 12
⇒ 12 = 12
LHS = RHS

9. If A means '–', C means '+', B means '÷' and E means '×' then the value of 6C 78B 3A 4E 6 = ?
(a) 4 (b) 6
(c) 8 (d) 10
RRB NTPC 27.04.2016 Shift : 2

Ans. (c) 6C 78B 3A 4E 6 = ?

On changing the symbols

$= 6 + 78 \div 3 - 4 \times 6$

$= 6 + 26 - 4 \times 6$

$= 6 + 26 - 24$

$= 32 - 24 = 8$

10. If E means '+', F means '×' G means '÷' And H means '-' then the value of 81 H 1 G 17 F 102 G 6 F 34 H 6?

(a) 40 (b) 26

(c) 41 (d) 29

RRB NTPC 22.04.2016 Shift : 1

Ans. (c) given

$E \rightarrow +$ $F \rightarrow \times$

$G \rightarrow \div$ $H \rightarrow -$

81 H1G 17F 102G 6F 34 H 6 (original term)

= 81- 1÷ 17×102÷6×34-6 (The position after the symbol changed)

$= 81 - \frac{1}{17} \times 102 \div 6 \times 34 - 6$

$= 81 - \frac{6}{6} \times 34 - 6$

$= 81 - 34 - 6 = 41$

11. If the mathematical operation –, +, × and ÷ by G, P, U and S respectively given then the value of 48 S 8 P 7 U 2 G 21?

(a) 0 (b) –1

(c) 20 (d) –21

RRB NTPC 19.01.2017 Shift : 2

Ans. (b) 48 S 8 P 7 U 2 G 21

$48 \div 8 + 7 \times 2 - 21$

$6 + 14 - 21 = 20 - 21 = -1$

12. If 'A' expresses addition, 'B' subtraction, 'C' multiplication and 'D' division, then which of the following statements is true?

(a) 8 C 8 A 8 D 8 B 8 = 57

(b) 36 C 4 D 8 B 7 A 4 = 10

(c) 32 D 8 C 9 = 160 B 12 C 12

(d) 16 C 12 A 49 D 7 B 9 = 200

RRB NTPC 19.01.2017 Shift : 1

Ans. (a) A = +, B = –, C = ×, D = ÷

as per the question

8 C 8 A 8 D 8 B 8 = 57

$8 \times 8 + 8 \div 8 - 8$

$64 + 1 - 8 = 57$

$57 = 57$ (LHS = RHS)

13. If 'P' means 'subtract' 'Q' means divide 'R' means add and 'S' means multiply then the 15 Q 3 R 24 P 12 S 2 value of ?

(a) 7 (b) 5

(c) 29 (d) 9

RRB NTPC 19.01.2017 Shift : 1

Ans. (b) P⇒ '–', Q ⇒ '÷', R ⇒ '+', S ⇒ '×'

15Q3R24P12S2

= 15÷3+24–12×2 = 5+24–24= 5

14. If P means '÷' R means '×' Q means '+' And S means '–' then 36 P 6 Q 7 R 8 S 11= ?

(a) 45 (b) 51

(c) 52 (d) 62

RRB Paramedical 20.07.2019 Shift : II

Ans. (b) given

P = ÷, R = ×, Q = + and S = –

$\because$ 36P6Q7R8S11 = 36 ÷ 6 + 7 × 8 – 11

$= \frac{36}{6} + 56 - 11 = 6 + 56 - 11 = 51$

15. If J means '×', K means '+', L means '÷' And M means '-' then 1K9L7J7L3M5 the value of?

(a) 1 (b) -1

(c) 3 (d) -5

RRB NTPC 09.04.2016 Shift : 3

Ans. (b) Putting the value of the symbols in- 1K9L7J7L3M5

$1 + 9 \div 7 \times 7 \div 3 - 5 = 1 + \frac{9}{7} \times \frac{7}{3} - 5 = 1 + 3 - 5 = -1$

16. Consider the following information. P means multiplied T means subtracted M means added and B means divided, then the value of- 28 B 7 P 8 T 6 M 4 = ?k

(a) 30

(b) 32

(c) 34

(d) None of the above

RRB NTPC 11.04.2016 Shift : 3

Ans. (a) P → ×, T → -, M → +, B → ÷

according to the question

$= 28 \div 7 \times 8 - 6 + 4$

$= 4 \times 8 - 2$

$= 32 - 2 = 30$

17. If P represents "÷" Q represents "×" R represents "–" and S represents "+" then which of the following statement is true ?

(a) 11 Q 34 P 17 R 8 P 3 = 38/3

(b) 32 S 8 P 16 R 4 = – 3/2

(c) 9 S 9 P 9 R 9 Q 9 = – 71

(d) 6 Q 18 R 26 P 13 S 7 = 172/11

RRB NTPC 12.04.2016 Shift : 2

Ans. (c) P = ÷, Q = ×, R = –, S = +

from option (c)

9 S 9 P 9 R 9 Q 9 = – 71

On changing the symbols

$9 + 9 \div 9 - 9 \times 9 = -71$

$9 + 1 - 81 = -71$

$-71 = -71$

LHS = RHS

18. If L means 'add' M means 'substract' N means 'divide' and P means 'Multiply' then the value of 10 P 2 L 5 M 5?

(a) 25 (b) 35

(c) 10 (d) 20

RRB Constable 17.01.2019 Shift : I

Ans. (d) L = +, M = –, N = ÷, P = ×
10 P 2 L 5 M 5
On changing the value of signs according to the question
$10 \times 2 + 5 - 5$
$= 20 + 5 - 5 = 20$

19. If 'W' means 'X', 'X' means '–', 'Y' means '+' and 'Z' means '÷' then.
28 Z 7 W 8 X 6 Y 4 = ?
(a) 30 (b) 38/2
(c) 32 (d) 34
RRB NTPC 16.04.2016 Shift : 3

Ans. (a) 28 Z 7 W 8 X 6 Y 4 = ?
On changing the symbols
$= 28 \div 7 \times 8 - 6 + 4$
$= 4 \times 8 - 2$
$= 32 - 2 = 30$

20. If 'when' Means '×', 'she' means '÷', 'will' means '+' and 'come' means '–', then what will be the value of '8 when 12 will 16 she 2 come 10"?
(a) 94 (b) 96
(c) 100 (d) 10
RRB NTPC 16.04.2016 Shift : 1

Ans. (a) Original term
8 when 12 will 16 she 2 come 10
New term after the symbol change
$= 8 \times 12 + 16 \div 2 - 10$
$= 96 + 8 - 10$
$= 94$

21. If Q means '+', J means '×', T means '–' and K means '÷' then the value of 30 K 2Q 3 J 6 T 5 ?
(a) 8 (b) 32
(c) 18 (d) 28
RRB NTPC 18.04.2016 Shift : 3

Ans. (d) 30 K 2 Q 3 J 6 T 5 = ?
On changing the symbols
$= 30 \div 2 + 3 \times 6 - 5$
$= 15 + 18 - 5 = 28$

22. If 'L' means '×', 'M' means '+', 'N' means '–', 'P' means '÷' then the value of 44 M 64 N 60 P 15 L 4 ?
(a) 13 (b) 82
(c) 72 (d) 92
RRB NTPC 18.04.2016 Shift : 2

Ans. (d) 44 M 64 N 60 P 15 L 4 = ?
On changing the symbols
$= 44 + 64 - 60 \div 15 \times 4$
$= 44 + 64 - 4 \times 4$
$= 44 + 64 - 16$
$= 108 - 16 = 92$

23. If 'P' represents '+', 'Q' represents '–', 'R' represents '×' and 'S' represents '÷' then value of 10 Q 5 R 27 S 9 P 10 ?
(a) 10 (b) 15
(c) 5 (d) 1
RRB NTPC 18.04.2016 Shift : 2

Ans. (c) 10 Q 5 R 27 S 9 P 10 = ?
On changing the symbols
$= 10 - 5 \times 27 \div 9 + 10$
$= 10 - 5 \times 3 + 10$
$= 10 - 15 + 10$
$= 5$

24. If 'P' means 'Division' 'T' means 'addition' 'M' means subtraction' and 'D' means 'multiplication' then the value of
12 M 12 D 28 P 7 T 15 ?
(a) -21 (b) 15
(c) 30 (d) -15
RRB NTPC 18.04.2016 Shift : 1

Ans. (a) given
P → ÷ T → +
M → - D → x
12M 12D 28P 7T 15 = 12 – 12 ×28 ÷7 + 15
= 12 - 12×4 + 15
= 27 – 48
= -21

25. If P means '÷', R means '×', Q means '+' And S means '–' then 48 P 8 Q 6 R 9 S 31 = ?
(a) 60 (b) 29
(c) 31 (d) 54
RRB NTPC 19.04.2016 Shift : 1

Ans. (b) 48P 8Q6R9S31 = ?
On changing the symbols
$= 48 \div 8 + 6 \times 9 - 31$
$= 6 + 54 - 31$
$= 29$

26. If 'J' means '×', 'K' means '÷', 'Q' means '+' and 'T' means '–' then what is the value of
26 J 74 K 4 T 5 Q 2?
(a) 220 (b) 478
(c) 376 (d) 488
RPF SI 12.01.2019 Shift : I

Ans. (b) 26 J 74 K 4 T 5 Q 2
On changing the symbols
$= 26 \times 74 \div 4 - 5 + 2$
$= 26 \times \frac{74}{4} - 5 + 2$
$= 481 - 5 + 2$
$= 483 - 5$
$= 478$

27. If P means '÷', Q means '+', R means '–' and S means '×', then the value of
10 R 192 P 48 S 48 P 96 Q1?
(a) 10 (b) 9
(c) 8 (d) 7
RRB NTPC 29.03.2016 Shift : 3

Ans. (b) 10R 192 P 48S 48P 96 Q1 = ?
On changing the symbols
$= 10 - 192 \div 48 \times 48 \div 96 + 1$
$= 10 - 4 \times 48 \div 96 + 1$
$= 10 - 2 + 1$
$= 9$

28. **If $a = \times$, $b = \div$ and $c = +$, then the value of 7a5c1b6 ?**

(a) 35 (b) $35\frac{1}{6}$

(c) 35/3 (d) $33\frac{1}{3}$

Ans. (b) Given,
$a = \times$, $b = \div$ and $c = +$
$7a5c1b6 = 7 \times 5 + 1 \div 6$
On changing the symbols
$= 35 + \frac{1}{6} = 35\frac{1}{6}$

29. **If A means '+', @ means '×', & means '÷' and V means '–', then the value of 7 @2V135 & 5 @ 3 & 9 A 1 ?**

(a) 14 (b) 9
(c) 6 (d) 1

RRB NTPC 30.03.2016 Shift : 1

Ans. (c) 7 @2V135 & 5 @ 3 & 9 A 1 = ?
On changing the symbols
$= 7 \times 2 - 135 \div 5 \times 3 \div 9 + 1$
$= 14 - 27 \times 3 \div 9 + 1$
$= 14 - 9 + 1$
$= 6$

30. **If S means '+', L means '×',U means '÷' and K means'–', then the value of 21 S 1 U 7 L 15 U 6 L 14 K 55 ?**

(a) –50 (b) 26
(c) –29 (d) 29

RRB NTPC 31.03.2016 Shift : 2

Ans. (c) 21 S 1 U 7 L 15 U 6 L 14 K 55 = ?
On changing the symbols
$= 21 + 1 \div 7 \times 15 \div 6 \times 14 - 55$
$= 21 + \frac{1}{7} \times 15 \times \frac{1}{6} \times 14 - 55$
$= 21 + 5 - 55$
$= -29$

31. **If W means '+' D means '×' H means '÷' and U means '–' then the value of 2 W 4 H 3 D 7 H 4 U 9 H 4 D 4 H 5 ?**

(a) 8/15 (b) 27/15
(c) 38/15 (d) 65/15

RRB NTPC 31.03.2016 Shift : 1

Ans. (c) 2W4H3D7H4U9H4D4H5 = ?
On changing the symbols
$= 2 + 4 \div 3 \times 7 \div 4 - 9 \div 4 \times 4 \div 5$
$= 2 + \frac{4}{3} \times \frac{7}{4} - \frac{9}{4} \times \frac{4}{5}$
$= 2 + \frac{7}{3} - \frac{9}{5} = \frac{30 + 35 - 27}{15} = \frac{38}{15}$

32. **If P means '×', A means '+', W means '÷' and Y means '–' then the value of 13P3A11Y26P6W13A19 ?**

(a) 50 (b) 38
(c) 57 (d) 43

RRB NTPC 04.04.2016 Shift : 1

Ans. (c) 13 P 3A 11 Y 26 P6 W13A 19
On substituting the symbols
$= 13 \times 3 + 11 - 26 \times 6 \div 13 + 19$
$= 39 + 11 - 12 + 19$
$= 39 - 1 + 19$
$= 57$

33. **If mathematical operator 'R' means ×, 'C' means +, 'E' means ÷ and 'W' means – then the value of 4 C 9 R 7 E 3 W 23 ?**

(a) 4 (b) 2
(c) -2 (d) -4

RRB NTPC 05.04.2016 Shift : 2

Ans. (b) 4 C 9 R 7 E 3 W 23
On making changes according to the given rule
$= 4 + 9 \times 7 \div 3 - 23$
$= 4 + 9 \times \frac{7}{3} - 23$
$= 4 + 21 - 23$
$= 2$

34. **If 'A' letter, 'addition' 'B' letter, 'subtraction' 'C' letter, 'Division' and 'D' letter, 'multiplication' then the value of is equal (7 D 3) B 6 A 5 (20 C 20) ?**

(a) 0 (b) 10
(c) 22 (d) 20

RRB NTPC 17.01.2017 Shift-3

Ans. (d) A → +, B → –, C → ÷, D → ×
(7D3) B6 A5 (20 C 20) = $(7 \times 3) - 6 + 5\ (20 \div 20)$
$= 21 - 6 + 5 \times 1$
$= 21 - 6 + 5$
$= 26 - 6 = 20$

35. **If A indicates ÷, B indicates × , C indicates +, and D indicates − then which of the following statement is true?**

(a) $11B\ 34A\ 17D\ 8A\ 3 = \frac{38}{3}$

(b) $6B18D\ 26A\ 13C7 = \frac{173}{13}$

(c) $32C\ 8A\ 16D4 = -\frac{3}{4}$

(d) $9C9A9D9B9 = -71$

RRB NTPC 17.01.2017 Shift-1

Ans. (d) A → (÷), B → (×), C → (+) **And** D → (–)
from option (d) 9C 9A 9D 9B9 = –71
On changing the symbols
$= 9 + 9 \div 9 - 9 \times 9 = -71$
$= 9 + 1 - 9 \times 9 = -71$
$= 10 - 81 = -71$
$-71 = -71$ (LHS = RHS)

36. **If L stands for + , M stands for –, N stands for × and P stand for ÷, then 8 N 9 L 60 P 3 M 13 = ?**

(a) 79 (b) 103
(c) 89 (d) 95

RRB ALP & Tec. (17-08-18 Shift-II)

Ans : (a) 8 N 9 L 60 P 3 M 13 = ?
symbols
$=8 \times 9 + 60 \div 3 - 13$
$= 8 \times 9 + 20 - 13$
On changing the
$=72 + 20 - 13$
$= 92 - 13$
$= 79$

37. If A means '+', 'B' means '–', 'C' means '×' and 'D' means '÷' then the value of (1D 1 C 1) A (2 C 2 D 2) A (3 D 3 C 3) B (4 C 4 D 4)?
(a) 3 (b) 10
(c) 2 (d) 6

RRB JE - 31/05/2019 (Shift-III)

Ans. (c) A → +, B → –, C → ×, D → ÷
(1 D 1 C 1) A (2 C 2 D 2) A (3 D 3 C 3) B (4 C 4 D 4)
On substituting the letter with a symbol
$(1 \div 1 \times 1) + (2 \times 2 \div 2) + (3 \div 3 \times 3) - (4 \times 4 \div 4)$
$= 1 + 2 + 3 - 4 = 2$

38. If 'A' means '+', 'B' means '-', 'C' means 'x', and 'D' means '+' then 99 D 9 C 11 B 21 D 21 = ?
(a) 120 (b) 100
(c) 48 (d) 50

RRB Constable 17.01.2019 Shift : I

Ans : (a) 99 D 9 C 11 B 21 D 21 = ?
On changing the symbols
$= 99 \div 9 \times 11 - 21 \div 21$
$= 11 \times 11 - 1$
$= 121 - 1$
$= 120$

39. If 'A' means '+', 'B' means '–','C' means '×' and 'D' means '÷' then 81 D 9 C 5 D 15 A 8 B 11 = ?
(a) 0 (b) 0.15
(c) 12 (d) 22

RRB JE - 28/05/2019 (Shift-II)

Ans : (a) given
A → + B → -
C → × D → ÷
81 D 9 C 5 D 15 A 8 B 11
according to the question
On converting letters into math ematical symbols.
from BODMAS rules
$\Rightarrow 81 \div 9 \times 5 \div 15 + 8 - 11$
$\Rightarrow 81 \times \frac{1}{9} \times 5 \times \frac{1}{15} + 8 - 11$
$\Rightarrow 45 \times \frac{1}{15} + 8 - 11$
$\Rightarrow 11 - 11 = 0$

40. If '+' means '÷', '–' means '×', '×' means '–' and '÷' means '+' then (5 – 8 × 6 ÷ 11) + 9 = ?
(a) 5 (b) 20
(c) 12 (d) 15

RRB JE - 25/05/2019 (Shift-I)

Ans : (a) If + = ÷, – = ×, × = –, ÷ = +
$(5 - 8 \times 6 \div 11) + 9 = ?$
on using the given symbols
$= (5 \times 8 - 6 + 11) \div 9$
$= (40 + 5) \div 9$
$= 45 \div 9 = 5$

41. If '+' means '–', '–' means '+','×' means '÷' and '÷' means '×' then which of the following equation is true ?
(a) $45 - 9 + 3 \div 20 \times 4 = 62$
(b) $45 + 9 \div 3 - 20 \times 4 = 22$
(c) $45 + 9 - 3 \div 20 \times 4 = 58$
(d) $45 \times 9 - 3 \div 20 + 4 = 61$

RRB JE - 26/06/2019 (Shift-I)

Ans : (d) from option (d)
$45 \times 9 - 3 \div 20 + 4 = 61$
On changing the symbols
$= 45 \div 9 + 3 \times 20 - 4 = 61$
$= 5 + 60 - 4 = 61$
$= 5 + 56 = 61$
61 = 61 (LHS = RHS)

42. If 'P' represents '–', Q represents '÷', 'R', represents '×' and 'W' represents '+' then 48 Q 12 R 10 P 8 W 4 = ?
(a) 28 (b) 36
(c) 32 (d) 40

RPF SI 12.01.2019 Shift : II

Ans : (b) 48 Q 12 R 10 P 8 W 4 = ?
On placing the symbol in the place of the letter according to the question.
$= \frac{48}{12} \times 10 - 8 + 4$
$= 4 \times 10 - 8 + 4 = 36$

43. If 'M' means '÷','R' means '+', 'T' means '–', and 'K', means '×' then 20 R 16 K 5 M 10 T 8 =?
(a) 32 (b) 36
(c) 20 (d) 12

RRB JE - 02/06/2019 (Shift-I)

Ans : (c) 20 R 16 K 5 M 10 T 8 = ?
On changing the symbols
$= 20 + 16 \times 5 \div 10 - 8$
$= 20 + 16 \times \frac{5}{10} - 8$
$= 20 + 8 - 8 = 20$

Type - 2

44. If + means –, – means ×, ÷ means + and × means ÷ then the value of 9 – 4 + 14 × 7 ÷ 6 ?
(a) 50 (b) 40
(c) 45 (d) 48

RRB Group-D – 10/10/2018 (Shift-I)

Ans : (b) 9 – 4 + 14 × 7 ÷ 6
On changing the symbols
$= 9 \times 4 - 14 \div 7 + 6$
$= 36 - 2 + 6 = 40$

45. If + means ×, – means ÷, × means – and ÷ means + then the value of 18 + 32 – 4 × 8 ÷ 3 ?

(a) 140 (b) 150
(c) 139 (d) 143

RRB Group-D – 10/10/2018 (Shift-III)

Ans : (c) 18 + 32 – 4 × 8 ÷ 3 = ?
On changing the symbols
= 18 × 32 ÷ 4 – 8 + 3
= 18 × 8 – 8 + 3
= 144 – 8 + 3
= 147 – 8
= 139

46. If + means ÷, ÷ means –, – means ×, × means + then the value of 84 + 3 ÷ 4 – 6 × 12 = ?

(a) 14 (b) 16
(c) 18 (d) 20

RRB Group-D – 16/10/2018 (Shift-II)

Ans : (b)84 + 3 ÷ 4 – 6 × 12 = ?
On changing the symbols
= 84 ÷ 3 – 4 × 6 + 12
= 28 – 24 + 12
= 4 + 12
= 16

47. If × means –, + means ÷, – means × and ÷ means + then the value of 20 – 6 ÷ 55 + 11 × 30 ?

(a) 108 (b) 95
(c) 100 (d) 99

RRB Group-D – 26/10/2018 (Shift-III)

Ans : (b) 20 – 6 ÷ 55 + 11 × 30
On changing the symbols
20 × 6 + 55 ÷ 11 – 30
= 120 + 5 – 30
= 95

48. If '+' means '×', '–' means '÷', '÷' means '+' and '×' means '–' then 16 ÷ 64 – 4 × 4 + 3 = ?

(a) 20 (b) 15.2
(c) 52 (d) 12

RRB NTPC 30.04.2016 Shift : 3

Ans. (a) 16 ÷ 64 – 4 × 4 + 3
Changing the value of signs.
16 + 64 ÷ 4 – 4 × 3
from BODMAS rules
=16 + 16 – 4 × 3
=16 + 16 – 12
= 32 –12 = 20

49. If '+' means '×', '–' means '÷', '×' means '+' and '÷' means '–' then the value of 216÷ 3 + 48 – 6 × 21?

(a) 206 (b) 213
(c) 236 (d) 263

RRB NTPC 28.04.2016 Shift : 3

Ans. (b) 216 ÷ 3 + 48 – 6 × 21 = ?
On changing the symbols
= 216 – 3 × 48 ÷ 6 + 21
= 216 – 3 × 8 + 21
= 216 – 3 = 213

50. If '+' means '×', '–' means '÷', '×' means '+' and '÷' means '–' then the value of 512–8 + 5 ÷ 73 × 92?

(a) 339 (b) 395
(c) 401 (d) 490

RRB NTPC 28.04.2016 Shift : 3

Ans. (a) 512 – 8 + 5 ÷ 73 × 92 = ?
On changing the symbols
= 512 ÷ 8 × 5 – 73 + 92
= 64 × 5 + 19
= 320 + 19 = 339

51. If '+' means '×', '–' means '÷', '×' means '+' and '÷' means '–' then what will be the value of 208 – 4 + 3 ÷ 23 × 57 ?

(a) 190 (b) 195
(c) 201 (d) 290

RRB NTPC 28.04.2016 Shift : 2

Ans. (a) 208 – 4 + 3 ÷ 23 × 57
On changing the symbols according to the question.
= 208 ÷ 4 × 3 - 23 + 57
= 52 × 3 – 23 + 57
= 156 – 23 + 57 = 190

52. If '+' means '×', '–' means '÷', '×' means '+' and '÷' means '–' then what will be the value of 225 ÷ 5 + 96 -3 × 31 ?

(a) 86 (b) 96
(c) 106 (d) 116

RRB NTPC 28.04.2016 Shift : 2

Ans. (b) 225 ÷ 5 + 96 – 3 × 31 = ?
On changing the symbols
= 225 - 5 × 96 ÷ 3 + 31
= 225 - 5 × 32 + 31
= 225 - 160 + 31
= 96

53. If '÷' denotes "multiplication", "–" denotes "addition", "+" denotes "division" and "×" denotes "Subtraction", then which of the following is the value of the expression?
19 ÷ 9 × 51 – 171 + 19

(a) 143 (b) 129
(c) 179 (d) 151

RRB NTPC 22.04.2016 Shift : 2

Ans. (b) 19÷9×51-171+19 = ?
On changing the symbols
= 19×9−51+171÷19
= 171-51+9
= 180-51= 129

54. If + means ×, ÷ means +, – means ÷ × means –, then $\frac{(36\times4)-8\times4}{4+8\times2+16\div1}$ = ?

(a) 8 (b) 0
(c) 1 (d) 4

RRB Constable 17.01.2019 Shift : III

Ans. (b) $\frac{(36\times4)-8\times4}{4+8\times2+16\div1}=?$

On changing the symbols

$\frac{(36-4)\div8-4}{4\times8-2\times16+1}\Rightarrow\frac{32\div8-4}{32-32+1}\Rightarrow\frac{4-4}{0+1}$

$\Rightarrow\frac{0}{1}=0$

55. If the mathematical operators, '×' means '+', '÷'means '×', '+' means '–' and '–' means '÷', then 22 + 36 – 12 × 6 ÷ 4 = ?

(a) 21 (b) 43
(c) 68 (d) 53

RRB NTPC 06.04.2016 Shift : 1

Ans. (b) 22 + 36 − 12 × 6 ÷ 4 = ?

On changing the symbols

= 22 - 36 ÷ 12 + 6 × 4

= 22 − 3 + 24

= 46 − 3

= 43

56. If '+'means '×', '-' means'+', '×'means'÷' and '÷' means '-' 21 ÷ 8 + 2 – 12 ×3 = ?

(a) 14 (b) 9
(c) 13.5 (d) 11

RRB NTPC 07.04.2016 Shift : 3

Ans :(b) 21 ÷ 8 + 2 – 12 ×3 = ?

On changing the symbols

= 21 – 8 × 2 + 12 ÷ 3

= 21 – 8 × 2 + 4

= 21 – 16 + 4

= 25 – 16

= 9

57. If '+' means '×', '–' means '+', '×'means '÷' and '÷' means '–' 15 × 5 ÷ 3 + 1 – 1 = ?

(a) –1 (b) –2
(c) 3 (d) 1

RRB NTPC 07.04.2016 Shift : 3

Ans :(d) 15 × 5 ÷ 3 + 1 – 1 = ?

On changing the symbols

= 15 ÷ 5 – 3 × 1 + 1

= 3 – 3 + 1 = 1

58. If '+' means '×', '–' means '+', '×' means '÷' and '÷' means '–' 28 ÷ 16 × 2 + 3 –1 = ?

(a) 5 (b) 9
(c) 4 (d) 11

RPF SI 12.01.2019 Shift : III

Ans. (a) 28 ÷16 ×2 + 3 -1 = ?

On changing the symbols

= 28 – 16 ÷ 2 × 3 + 1

= 28 – 8 × 3 + 1

= 28 – 24 + 1

= 29 – 24 = 5

59. × means ÷, – means ×, ÷ means + and + means – then the value of (3 – 15 ÷ 19) × 8 + 6?

(a) –1 (b) 2
(c) 4 (d) 8

RRB NTPC 07.04.2016 Shift : 1

Ans. (b) $(3-15\div19)\times8+6=?$

On changing the symbols

= (3 × 15 + 19) ÷ 8 – 6

= (45 + 19) ÷ 8–6

= 64 ÷ 8 – 6

= 8 – 6

= 2

60. If '+' means ×, '–' means ÷, '×' means + and '÷' means − then the value of 48 – 3 + 8 × 9 ?

(a) 136 (b) 137
(c) 138 (d) 142

RRB NTPC 10.04.2016 Shift : 3

Ans. (b) 48 – 3 + 8 × 9 = ?

On changing the symbols

= 48 ÷ 3 × 8 + 9

= 16 × 8 + 9

= 128 + 9 = 137

61. If '+' means ×, '–' means ÷, '×' means + and '÷' means '–' then the value of 19 + 5 × 14 ÷ 9 ?

(a) 100 (b) 107
(c) 109 (d) 104

RRB NTPC 10.04.2016 Shift : 3

Ans. (a) 19 + 5 × 14 ÷ 9 = ?

On changing the symbols

= 19 × 5 + 14 – 9

= 95 + 14 – 9

= 109 – 9

= 100

62. If + means ×, - means ÷, × means - and ÷ means + then the value of (26 + 74 - 4×5 ÷ 2) ?

(a) 220 (b) 376
(c) 478 (d) 488

RRB NTPC 11.04.2016 Shift : 3

Ans. (c) 26 + 74 - 4×5 ÷ 2 = ?

On changing the symbols

$26\times74\div4-5+2=26\times\frac{37}{2}-3$

=13×37-3 = 481 – 3 = 478

63. Answer the questions based on the information given below. If '+' is '×', '–' is '+', '×' is '÷' and '÷' is '–' then 3 × 2 + 4 – 2 ÷ 9 = ?

(a) –1 (b) 1
(c) –2 (d) 3

RRB NTPC 11.04.2016 Shift : 1

Ans. (a) 3 × 2 + 4 –2 ÷ 9 = ?

On changing the symbols

= 3 ÷ 2 × 4 + 2 – 9

= 3 × 2 + 2 – 9

= 8–9

= –1

64. Answer the questions based on the below information. If '+' is '×', '–' is '+', '×' is '÷' and '÷' is '–' then 6 – 9 + 8 × 3 ÷ 20 = ?

(a) –2 (b) 6
(c) 10 (d) 12

RRB NTPC 11.04.2016 Shift : 1

Ans. (c) 6–9 + 8 × 3 ÷ 20 = ?
On changing the symbols
$= 6 + 9 \times 8 \div 3 - 20$
$= 6 + 9 \times \frac{8}{3} - 20$
$= 6 + 24 - 20$
$= 30 - 20$
$= 10$

65. If '+' means '×', '–' means '+', '×' means '÷' and '÷'means'–' then the value of 9 ÷ 5 + 4 – 3 × 2 = ?
(a) 2 (b) –9
(c) –3 (d) –9.5
RRB NTPC 11.04.2016 Shift : 1

Ans. (d) 9 ÷ 5 + 4 – 3 × 2 = ?
On changing the symbols
$= 9 - 5 \times 4 + 3 \div 2$
$= 9 - 20 + \frac{3}{2}$
$= \frac{18 - 40 + 3}{2}$
$= -\frac{19}{2}$
$= -9.5$

66. Answer the questions based on the given information below. If '+' is '×', '–' is '+', '×' is '÷' and '÷' is '–' then 6 + 7 × 3 – 8 ÷ 20 = ?
(a) –3 (b) 7
(c) 2 (d) 1
RRB Constable 18.01.2019 Shift : I

Ans. (c) 6 + 7 × 3 – 8 ÷ 20 = ?
On changing the symbols
$= 6 \times 7 \div 3 + 8 - 20$
$= 6 \times \frac{7}{3} + 8 - 20$
$= 14 + 8 - 20$
$= 22 - 20$
$= 2$

67. If + means ×, – means ÷, × means – and ÷ means +, then 5 × 4 – 6 ÷ 3 + 1 = ?
(a) 19 (b) 8.33
(c) –1 (d) 7.33
RRB NTPC 12.04.2016 Shift : 1

Ans. (d) 5 × 4 – 6 ÷ 3 + 1 = ?
On changing the symbols
$= 5 - 4 \div 6 + 3 \times 1 = 5 - \frac{2}{3} + 3$
$= \frac{15 - 2 + 9}{3} = \frac{22}{3} = 7.33$

68. If '×' means '–', '–' means '×', '+' means '+' means '÷', '÷' means '+', then what will be the value 15 - 2 ÷ 900 + 90 × 100?
(a) 60 (b) –60
(c) 0 (d) 1
RRB NTPC 16.04.2016 Shift : 3

Ans. (b) 15 - 2 ÷ 900 + 90 × 100 = ?
On changing the symbols
$= 15 \times 2 + 900 \div 90 - 100$
$= 30 + 10 - 100$
$= 40 - 100 = -60$

69. If ÷ means '×', × means '+', + means '–' and – means '÷' then the value of 16 × 3 + 5 – 2 ÷ 4?
(a) 19 (b) 10
(c) 9 (d) 1
RRB NTPC 18.04.2016 Shift : 3

Ans. (c) 16 × 3 + 5 – 2 ÷ 4 = ?
On changing the symbols
$= 16 + 3 - 5 \div 2 \times 4$
$= 19 - \frac{5}{2} \times 4 = 19 - 10 = 9$

70. If '+' means '×', '×' means '÷', '÷' means '–' and '–' means '+' then which is the value of 15 + 16 × 16 ÷ 15 = ?
(a) 10 (b) 5
(c) 1 (d) 0
RRB NTPC 18.04.2016 Shift : 2

Ans. (d) 15 + 16 × 16 ÷ 15 = ?
On changing the symbols
$= 15 \times 16 \div 16 - 15$
$= 15 \times 1 - 15$
$= 15 - 15 = 0$

71. If "+" and "÷" signs as well as "2" and "4" are interchanged, then which of the one following is correct?
(a) 4 + 2 ÷ 6 = 1.5 (b) 2 + 4 ÷ 6 = 8
(c) 2 + 4 ÷ 3 = 3 (d) 4 + 2 ÷ 3 = 4
RRB NTPC 18.04.2016 Shift : 1

Ans. (b) In all the options + and '÷' and the numbers 2 and 4 mutually change
from option (a).
$4 + 2 \div 6 = 1.5$
$= 2 \div 4 + 6 = \frac{1}{2} + 6 = 13/2 = 6.5$ (False)
from (b) $2 + 4 \div 6 = 8$
$= 4 \div 2 + 6 = 2 + 6 = 8$ (True)
Hence option (b) is correct.

72. If '×' means '–', '÷' means '+', '+' means '÷' and '–' means '×' then 19 ÷ 63 + 21 × 2 – 3 = ?
(a) 19 (b) 16
(c) 8 (d) 9
RRB NTPC 19.04.2016 Shift : 3

Ans. (b) 19 ÷ 63 + 21 × 2 – 3 = ?
On changing the symbols
$= 19 + 63 \div 21 - 2 \times 3$
$= 19 + 3 - 6$
$= 22 - 6 = 16$

73. If mathematical symbol '÷' means '×', '+' means '–', '×' means '+' and '–' means '÷' then 24 + 48 – 12 × 4 ÷ 2 = ?
(a) 6 (b) – 6
(c) 16 (d) 28
RPF SI 13.01.2019 Shift : I

Ans. (d) $24 + 48 - 12 \times 4 \div 2 = ?$
On changing the symbols
$= 24 - 48 \div 12 + 4 \times 2$
$= 24 - 4 + 8$
$= 28$

74. If '÷' means '+', '+' means '÷' and '–' means'×' then $25 \div 5 \div 2 - 15 = ?$
(a) 0 (b) –12
(c) 60 (d) 45

RRB NTPC 19.04.2016 Shift : I

Ans. (c) $25 \div 5 \div 2 - 15 = ?$
On changing the symbols
$= 25 + 5 + 2 \times 15$
$= 30 + 30$
$= 60$

75. If '+' means '×', '–' means '÷', '×' means '–' and '÷' means '+' then $18 + 12 - 4 \div 5 \times 6 =$?
(a) 65 (b) 53
(c) 59 (d) 63

RRB NTPC 18.01.2017 Shift : III

Ans. (b) $18 + 12 - 4 \div 5 \times 6 = ?$
On changing the symbols
$= 18 \times 12 \div 4 + 5 - 6$
$= 18 \times 3 + 5 - 6$
$= 59 - 6$
$= 53$

76. If ÷ means -, × means +, - means × and + means ÷ then the value of $(7 \times 3 + 2) - 6 \div 4$?
(a) 17 (b) 1
(c) 47 (d) 21

RRB NTPC 28.03.2016 Shift : III

Ans. (c) $(7 \times 3 + 2) - 6 \div 4 = ?$
On changing the symbols
$= (7 + 3 \div 2) \times 6 - 4$
$= \left(7 + \frac{3}{2}\right) \times 6 - 4$
$= \frac{17}{2} \times 6 - 4$
$= 47$

77. If the mathematical operator '+' means '÷', '–' means '+', '÷' means '×' and '×' means '–', then the value of $17 - 7 \div 27 + 3 \times 79$ is?
(a) –1 (b) 0
(c) 1 (d) 2

RRB NTPC 29.03.2016 Shift : III

Ans. (c) $17 - 7 \div 27 + 3 \times 79$
On substituting the symbols
$= 17 + 7 \times 27 \div 3 - 79$
$= 17 + 63 - 79$
$= 80 - 79 = 1$

78. If '+' means '÷' and '-' means '×' then what will be the value of $8 + 6 - 3$?
(a) 11 (b) 4
(c) 5 (d) 14

RRB NTPC 29.03.2016 Shift : II

Ans. (b) $8 + 6 - 3 = ?$
On changing the symbols
$= 8 \div 6 \times 3$
$= \frac{8}{6} \times 3 = 4$

79. If '+' means '×', '–' means '÷', '×' means '+' and '÷' means '–', compute the value of the expression $15 + 9 \times 10 \div 5$?
(a) 140 (b) 190
(c) 145 (d) 130

RRB NTPC 02.04.2016 Shift : III

Ans. (a) $15 + 9 \times 10 \div 5 = ?$
On changing the symbols
$= 15 \times 9 + 10 - 5$
$= 135 + 5$
$= 140$

80. If '+' means '×', '–' means '÷', '×' means '+' and '÷' means '–' compute the value of the expression $45 - 9 + 4 \times 5$?
(a) 21 (b) 25
(c) 26 (d) 23

RRB NTPC 02.04.2016 Shift : III

Ans. (b) $45 - 9 + 4 \times 5 = ?$
On changing the symbols
$= 45 \div 9 \times 4 + 5$
$= \frac{45}{9} \times 4 + 5 \quad = 5 \times 4 + 5$
$= 25$

81. If '+' means 'x', '–' means '+' , x means ÷ and '÷' means '–' compute the value of the expression
$17 + 6 - 13 \div 8$?
(a) 100 (b) 107
(c) 110 (d) 109

RRB NTPC 02.04.2016 Shift : II

Ans. (b) $17 + 6 - 13 \div 8 = ?$
On changing the symbols
$= 17 \times 6 + 13 - 8$
$= 102 + 13 - 8$
$= 115 - 8 = 107$

82. If '+' means '×', '–' means ÷, '×' means '+', and '÷' means '–' then $36 - 4 + 7 \times 8 = ?$
(a) 72 (b) 71
(c) 74 (d) 75

RRB NTPC 02.04.2016 Shift : II

Ans. (b) $36 - 4 + 7 \times 8 = ?$
On changing the symbols
$= 36 \div 4 \times 7 + 8$
$= 9 \times 7 + 8$
$= 63 + 8 = 71$

83. If '+' means '×', '–' means '÷', '×' means '+' and '÷' means '–' compute the value of the expression $15 + 7 \times 12 \div 7 = ?$
(a) 110 (b) 107
(c) 104 (d) 100

RRB NTPC 02.04.2016 Shift : I

Ans. (a) 15 + 7 × 12 ÷ 7 = ?
On changing the symbols
= 15 × 7 + 12 – 7
= 105 + 12 – 7 = 110

84. If '+' means '×', '-' means '÷', '×' means '+' , and '+' means '-' then 35- 5 + 6 ×7 = ?
(a) 45 (b) 49
(c) 55 (d) 51

RRB NTPC 02.04.2016 Shift : I

Ans. (b) 35 – 5 + 6 × 7 = ?
On changing the symbols
= 35 ÷ 5 × 6 + 7
= 7 × 6 + 7 = 49

85. If '+' means '×', '–' means ÷, '×' means '+' and '÷' means '–' then 13 + 8 × 11 ÷ 5 = ?
(a) 109 (b) 110
(c) 107 (d) 100

RRB Constable 18.01.2019 Shift : III

Ans. (b) 13 + 8 × 11 ÷ 5 = ?
On changing the symbols
= 13 × 8 + 11 – 5
= 104 + 6 = 110

86. If '+' means '×', '–' means ÷ '×' means '+' and '÷' means '–' then 42 – 6 + 5 × 6 = ?
(a) 45 (b) 41
(c) 43 (d) 44

RRB NTPC 03.04.2016 Shift : III

Ans. (b) 42 – 6 + 5 × 6 = ?
On changing the symbols
= 42 ÷ 6 × 5 + 6
= 7 × 5 + 6
= 35 + 6 = 41

87. If the mathematical operator '+' means '×', '÷' means '–', '–' means '+' and '×' means '÷', find the value of 1 × 2 + 6 – 2 ÷7 ?
(a) 2 (b) –2
(c) 3 (d) –1

RRB NTPC 03.04.2016 Shift : II

Ans. (b) 1 × 2 + 6 – 2 ÷ 7
On changing the symbols
= 1 ÷ 2 × 6 + 2 – 7
$= \frac{1}{2} \times 6 + 2 - 7$
= 3 + 2 – 7 = –2

88. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' then 64 -4 +8 ×9 = ?
(a) 136 (b) 137
(c) 138 (d) 142

RRB NTPC 04.04.2016 Shift : III

Ans. (b) 64 − 4 + 8 × 9 = ?
On changing the symbols
= 64 ÷ 4 × 8 + 9
$= \frac{64}{4} \times 8 + 9$
$= 16 \times 8 + 9 = 137$

89. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' then the value of 23 +5 ×14 ÷ 9 ?
(a) 120 (b) 127
(c) 129 (d) 124

RRB NTPC 04.04.2016 Shift : III

Ans. (a) 23 + 5 × 14 ÷ 9 = ?
On changing the symbols
= 23 × 5 + 14 - 9
= 115 + 5 = 120

90. If the mathematical operator '÷' means '×', '+' means '–', '×' means '+' and '–' means '÷', then 25 + 18 – 3 × 7 ÷ 3 = ?
(a) 25 (b) 21
(c) 19 (d) 40

RRB NTPC 05.04.2016 Shift : III

Ans. (d) 25 + 18 – 3 × 7 ÷ 3 = ?
On changing the symbols
= 25 -18 ÷ 3 + 7 × 3
= 25 – 6 + 21 = 40

91. If '÷' means '×', '+' means '-', '×' means '+' and '-' means '÷' then 12 + 16 – 4 × 4 ÷ 2 = ?
(a) 16 (b) 20
(c) 12 (d) 24

RPF SI 13.01.2019 Shift : III

Ans. (a) 12 + 16 - 4 × 4 ÷ 2 = ?
On changing the symbols
= 12 – 16 ÷ 4 + 4 × 2
= 12 – 4 + 8 = 20 – 4 = 16

92. If '+' means '÷' and '–' means '×', '÷' means '+' and '×' means '–' then 36 × 12 + 4 ÷ 6 + 2 – 3 = ?
(a) 1 (b) 39
(c) 40 (d) 42

RRB NTPC 17.01.2017 Shift-III

Ans. (d) 36 × 12 + 4 ÷ 6 + 2 – 3 = ?
On changing the symbols
= 36 – 12 ÷ 4 + 6 ÷ 2 × 3
= 36 – 3 + 3 × 3
= 36 – 3 + 9
= 45 – 3 = 42

93. If + means ×, – means ÷, × means + and ÷ means – then the value of 20 × 8 ÷ 8 – 4 + 2 ?
(a) 24 (b) 1
(c) 20 (d) 0

RRB Constable 19.01.2019 Shift : I

Ans. (a) 20 × 8 ÷ 8 – 4 + 2 = ?
On changing the symbols
= 20 + 8 – 8 ÷ 4 × 2
= 20 + 8 – 2 × 2
= 20 + 8 – 4
= 20 + 4 = 24

94. If × means –, ÷ means +, + means ÷ and – means x, what will be the value of 125 – 50 ÷ 10 + 20 × 4 ?
(a) 360 (b) 315
(c) 6246.5 (d) 420

RRB ALP & Tec. (20-08-18 Shift-III)

Ans : (c) $125 - 50 \div 10 + 20 \times 4 = ?$
On changing the symbols
$125 \times 50 + 10 \div 20 - 4$
$= 6250 + 0.5 - 4$
$= 6246.5$

95. If + means –, – means ×, × means ÷ and ÷ means +, then what will be the value of 16 + 4 – 3 ÷ 8 × 6?

(a) $\frac{16}{3}$ (b) 6

(c) $\frac{71}{4}$ (d) 7

RRB ALP & Tec. (29-08-18 Shift-III)

Ans : (a) $16 + 4 - 3 \div 8 \times 6 = ?$
On changing the symbols
$= 16 - 4 \times 3 + 8 \div 6$

$$= 16 - 4 \times 3 + \frac{8}{6}$$

$$= 16 - 12 + \frac{8}{6}$$

$$= \frac{96 - 72 + 8}{6} = \frac{32}{6} = \frac{16}{3}$$

96. If + means ÷, ÷ means –, – means ×, × means +, then the value of 10 + 5 ÷ 7 – 4 × 30 = ?

(a) 4 (b) 8

(c) 10 (d) 6

RRB ALP & Tec. (20-08-18 Shift-III)

Ans : (a) $10 + 5 \div 7 - 4 \times 30 = ?$
On changing the symbols
$= 10 \div 5 - 7 \times 4 + 30$
$= 2 - 28 + 30$
$= 2 + 2 = 4$

97. If – means ÷, ÷ means +, × means – and + means ×, then determine the value of 35–7 × 14 ÷ 28.

(a) 19 (b) 24

(c) 15 (d) 20

RRB ALP & Tec. (13-08-18 Shift-I)

Ans : (a) $35 - 7 \times 14 \div 28 = ?$
On changing the symbols
$= 35 \div 7 - 14 + 28$
$= 5 - 14 + 28$
$= 5 + 14$
$= 19$

98. If '+' means '×','–' means '÷','÷' means '–' and '×' means '+', then the value of 5 × 14 – 2 ÷ 3 + 4 ?

(a) 4 (b) 0

(c) 3 (d) 1

RRB JE - 27/06/2019 (Shift-III)

Ans : (b) $5 \times 14 - 2 \div 3 + 4 = ?$
On changing the symbols
$= 5 + 14 \div 2 - 3 \times 4$
$= 5 + 7 - 12$
$= 12 - 12$
$= 0$

99. If '×' means '+','+' means '×' and '–' means '÷', then the value of (1 × 2) + (3 × 4) – (4 × 5) + 9 ?

(a) 12 (b) 3

(c) 21 (d) 9

RRB JE - 27/05/2019 (Shift-II)

Ans : (c) $(1\times2) + (3\times4) - (4\times5) + 9 = ?$
On changing the symbols
$= (1+2) \times (3+4) \div (4+5) \times 9$

$$= 3 \times 7 \times \frac{1}{9} \times 9$$

$= 3 \times 7$
$= 21$

100. If '+' means '×' ,'-' means '+', '×' means '÷' and '÷' means '-' then 9 ÷ 5 + 4 – 4 × 2 = ?

(a) 3 (b) –3

(c) 2 (d) –9

RRB JE - 26/06/2019 (Shift-III)

Ans : (d) $9 \div 5 + 4 - 4 \times 2 = ?$
On changing the symbols
$= 9 - 5 \times 4 + 4 \div 2$
$= 9 - 20 + 2$
$= 11 - 20$
$= -9$

101. If '+' means '–','–' means '+','×' means '÷' and '÷' means '×', then which equation is true ?

(a) $30 + 5 - 4 \div 10 \times 5 = 58$
(b) $30 + 5 \div 4 - 10 \times 5 = 22$
(c) $30 \times 5 - 4 \div 10 + 5 = 41$
(d) $30 - 5 + 4 \div 10 \times 5 = 62$

RRB JE - 26/06/2019 (Shift-III)

Ans : (c) from option (c)
$30 \times 5 - 4 \div 10 + 5 = 41$
on changing the symbols,
$30 \div 5 + 4 \times 10 - 5 = 41$
$6 + 40 - 5 = 41$
$46 - 5 = 41$
$41 = 41$ (LHS = RHS)

102. If '×' means '÷', '–' means '×','+' means '–' and '÷' means '+', then 3 – 15 + 16 × 8 + 6 = ?

(a) 30 (b) 47

(c) 35 (d) 41

RRB JE - 30/05/2019 (Shift-II)

Ans : (d) $3 - 15 + 16 \times 8 + 6 = ?$
On changing the symbols
$= 3 \times 15 + 16 \div 8 - 6$
$= 45 + 2 - 6$
$= 41$

103. If '+' means '×', '–' means '÷','×' means '+' and '÷' means '–', then 7 +7 +7 – 7 × 7 ÷ 7 = ?

(a) 14 (b) 49

(c) 1 (d) 7

RRB JE - 30/05/2019 (Shift-III)

Ans : (b) $7 + 7 + 7 - 7 \times 7 \div 7 = ?$
On changing the symbols
$= 7 \times 7 \times 7 \div 7 + 7 - 7$
$= 49 + 7 - 7 = 49$

104. If '+' means '×', '–' means '+','×' means '÷' and '÷' means '–', then 3 × 2 + 4 – 2 ÷ 9= ?

(a) 1 (b) 3
(c) –1 (d) –2

RRB JE - 02/06/2019 (Shift-II)

Ans. (c) = 3 × 2 + 4 – 2 ÷ 9 = ?
On changing the symbols
= 3 ÷ 2 × 4 + 2 – 9
$= \frac{3}{2} \times 4 + 2 - 9$
= 6 + 2 – 9
= 8 – 9 = –1

105. If '+' means '×','–' means '+','×' means '÷' and '÷' means '–' then 8 × 4 – 6 ÷ 3 + 1 = ?

(a) 5 (b) 4
(c) 2 (d) –1

RRB JE - 02/06/2019 (Shift-II)

Ans. (a) 8 × 4 – 6 ÷ 3 + 1 = ?
On changing the symbols
= 8 ÷ 4 + 6 – 3 × 1
= 2 + 6 – 3
= 8 – 3 = 5

106. If '+' means '×','–' means '÷','×' means '+' And '÷' means '–' then 42 – 6 × 7 + 8 ÷ 9 – 3 = ?

(a) 66 (b) 19
(c) 70 (d) 60

RRB JE - 02/06/2019 (Shift-III)

Ans : (d) 42 – 6 × 7 + 8 ÷ 9 – 3 = ?
On changing the symbols
= 42 ÷ 6 + 7 × 8 – 9 ÷ 3
= 7 + 7 × 8 – 3
= 63 – 3 = 60

107. If '+' means '–', '–' means 'x' 'x' means '÷' then 15- 3 + 10 × 5 + 5 = ?

(a) 38 (b) 52
(c) 5 (d) 48

RRB JE - 28/06/2019 (Shift-III)

Ans. (a) 15 – 3 + 10 × 5 + 5 = ?
On changing the symbols
= 15 × 3 – 10 ÷ 5 – 5
= 45 – 2 – 5 = 38

108. If '+' means '×', '–' means '+', '×' means '÷' and '÷' means '–' then 6 – 9 + 8 × 3 ÷ 20 = ?

(a) –2 (b) 12
(c) 10 (d) 6

RRB JE - 27/06/2019 (Shift-I)

Ans : (c) 6 – 9 + 8 × 3 ÷ 20 = ?
On changing the symbols
= 6 + 9 × 8 ÷ 3 – 20
$= 6 + 9 \times 8 \times \frac{1}{3} - 20$
= 6 + 24 – 20 = 10

109. If '+' means '÷', '-' means '+', '÷' means 'x' and 'x' means '-' then 32 + 4 - 8 × 4 ÷ 3 =?

(a) 4 (b) 5
(c) 6 (d) 7

RRB JE - 22/05/2019 (Shift-III)

Ans : (a) 32 + 4 – 8 × 4 ÷ 3 = ?
On changing the symbols
= 32 ÷ 4 + 8 – 4 × 3
= 8 + 8 – 4 × 3
= 16 – 12 = 4

110. If '+' means '–', '–' means '+','×' means '÷' And '÷' means '×' then 5 – 5 + 5 ÷ 5 × 5 = ?

(a) 5 (b) 20
(c) 25 (d) 26

RRB JE - 01/06/2019 (Shift-III)

Ans. (a) 5 – 5 + 5 ÷ 5 × 5 = ?
On changing the symbols
= 5 + 5 – 5 × 5 ÷ 5
= 10 – 5 × 1
= 10 – 5 = 5

Type - 3

111. If "<" means "×" and "÷" means "+" then what will be the value of (5 < 7) ÷ 2 = ?

(a) 65 (b) 35
(c) 37 (d) 70

RRB Group-D – 20/09/2018 (Shift-I)

Ans. (c) (5 < 7) ÷ 2 = ?
On changing the symbols
= (5 × 7) + 2
= 35 + 2 = 37

112. If '>' means '+' '<' means '–' and '×' means '÷' then the value of ((1 > 2 < 3) > 15) × 10 ?

(a) 0 (b) 1.0
(c) 1.5 (d) –1.5

RRB Group-D – 25/09/2018 (Shift-II)

Ans : (c) (1> 2 < 3) > 15) × 10 = ?
On changing the symbols
= ((1 + 2 – 3) + 15) ÷ 10
= ((3 – 3) + 15) ÷ 10
= 15 ÷ 10 = 1.5

113. If '<' means '+' and (×) means ÷ then the value of ([(25<15)]×4)<1 ?

(a) 13 (b) 20
(c) 11 (d) 5

RPF SI 16.01.2019 Shift : I

Ans. (c) ([(25<15)]×4)<1 = ?
On changing the symbols
= ([[(25+15)]÷4)+1
= (40÷4)+1
= 10 + 1 = 11

114. If '<' means '–', '>' means '+' and '÷' means '×' then the value of (15 < 12) ÷ 3 ?

(a) 9 (b) 6
(c) 1 (d) 0

RRB Group-D – 27/09/2018 (Shift-III)

Ans : (a) (15 < 12) ÷ 3 = ?
On changing the symbols
= (15 – 12) × 3
= 3 × 3 = 9

115. If $ means +, # means-, @ means × and * means ÷ then the value of 19$8@3#81*9 ?

(a) 34 (b) 35
(c) 36 (d) 38

RRB Group-D – 05/10/2018 (Shift-I)

Ans. (a) 19$8@3#81*9 = ?
On changing the symbols
$= 19+8\times3-81\div9$
$= 19 + 24 - 9$
$= 34$

116. If $ means +, # means –, @ means × And * means ÷ then the value of 24$3@8#45*5 ?

(a) 39 (b) 37
(c) 43 (d) 40

RRB Constable 19.01.2019 Shift : III

Ans. (a) 24$3@8#45*5 = ?
On changing the symbols
$= 24 + 3 \times 8 - 45 \div 5$
$= 24 + 3 \times 8 - 9$
$= 24 + 24 - 9$
$= 39$

117. If '<' means '+' '×' means ÷ then the value of ([(5 < 15)] × 4) < 120?

(a) 125 (b) 5
(c) 25 (d) 20

RRB Group-D – 16/10/2018 (Shift-II)

Ans : (a) ([(5 < 15)] × 4) < 120 = ?
On changing the symbols
([(5 + 15)] ÷ 4) + 120
$= ([20] \div 4) + 120$
$= (20 \div 4) + 120$
$= 5 + 120 = 125$

118. If '<' means '+' and '×' means '÷' then the value of ([(25 < 15)] × 4) < 120 ?

(a) 130 (b) 30
(c) 50 (d) 20

RRB Group-D – 04/12/2018 (Shift-III)

Ans. (a) ([(25 < 15)] × 4) < 120 = ?
On changing the symbols
$= ([(25 + 15)] \div 4) + 120$
$= (40 \div 4) + 120$
$= \frac{40}{4} + 120 = 10 + 120 = 130$

119. If '>' means '-', '-' means '+' and '+' means '×' then the value of [(5+2) -3] + 4 ?

(a) 30 (b) 210
(c) 52 (d) 6

RRB Group-D – 03/12/2018 (Shift-III)

Ans. (c) [(5+2) -3] + 4 = ?
On changing the symbols
$= [(5 \times 2) + 3] \times 4$
$= [10 + 3] \times 4 = 52$

120. If @ means +, % means –, $ means × and * means ÷ then the value of 20@ 4 $ 5 % 72 * 8 ?

(a) 30 (b) 31
(c) 40 (d) 35

RRB Constable 19.01.2019 Shift : III

Ans : (b) 20@ 4 $ 5 % 72 * 8 = ?
On changing the symbols
$= 20 + 4 \times 5 - 72 \div 8$
$= 20 + 4 \times 5 - \frac{72}{8}$
$= 20 + 20 - 9 = 40 - 9 = 31$

121. If '<' means '+' And '+' means '÷' then the value of [(5<5)] + 3 ?

(a) $\frac{10}{3}$ (b) 6 (c) 3 (d) 9

RRB Group-D – 16/11/2018 (Shift-II)

Ans. (a) [(5<5)] + 3 = ?
On changing the symbols
$[5+5] \div 3 = \frac{10}{3}$

122. If < means –, > means +, = means × and $ means ÷ then the value of 29 > 30 $ 5 < 4?

(a) 37 (b) 28
(c) 31 (d) 34

RRB Group-D – 05/11/2018 (Shift-II)

Ans : (c) 29 > 30 $ 5 < 4 = ?
On changing the symbols
$= 29 + 30 \div 5 - 4$
$= 29 + 6 - 4 = 29 + 2 = 31$

123. Interchanging which two sign will make the following equation 5 × 45 – 15 + 31 ÷ 41 = 5 ?

(a) ÷ and - (b) × and +
(c) ÷ and × (d) × and -

RRB NTPC 28.04.2016 Shift : II

Ans. (a) $5 \times 45 - 15 + 31 \div 41 = 5$
On changing the symbols
$5 \times 45 \div 15 + 31 - 41 = 5$
$15 + 31 - 41 = 5$
$5 = 5$ (LHS = RHS)

124. If > represents'+', '<' represents '–' + represents, '÷', – represents '=', × represents > and = represents '<' then which statement is true ?

(a) $9+9>9=9$
(b) $9<7\div7=6$
(c) $7\#7>7+7=7\#7>1$
(d) $7>7<7+7=14$

RRB NTPC 19.01.2017 Shift : III

Ans. (d) $7>7<7+7=14$
On changing the symbols
$7+7-7\div7<14$
$7+7-1<14$
$13<14$
Hence option (d) is correct.

125. If > means '+', < means '–', + means '÷', – means '=', # means '×', '×' means '>' and '=' means '<' then which statement is true ?

(a) $14+7>3=6+3>2$
(b) $6+3>8=4+2<1$
(c) $9<6+3=7>4$
(d) $4>6+2\times32+4<1$

RRB NTPC 19.01.2017 Shift : 1

Ans. (c) using option (c)

$9 < 6 + 3 = 7 > 4$

By changing the symbols according to the question.

$9 - 6 \div 3 < 7 + 4$

$= 7 < 11$

126. If '@' means ×, '*' means ÷, '$' means + And # means '–' then 16 $ 4 @ 5 # 72 * 8 = ?

(a) 25 (b) 27

(c) 29 (d) 31

RRB NTPC 10.04.2016 Shift : 3

Ans. (b) 16 $ 4 @ 5 # 72 * 8 = ?

On changing the symbols

$= 16 + 4 \times 5 - 72 \div 8$

$= 16 + 20 - 9$

$= 36 - 9 = 27$

127. If '<' means '–', '>' means '+', '=' means '×' And '$' means '÷' then which is the value 27 > 81 $ 9 < 6 ?

(a) 6 (b) 30

(c) 36 (d) 54

RRB NTPC 11.04.2016 Shift : III

Ans. (b) $27 > 81 \$ 9 < 6 = ?$

On changing the symbols

$= 27 + 81 \div 9 - 6$

$= 27 + 9 - 6$

$= 27 + 3 = 30$

128. If α means '÷', β means 'x', γ means '-', ω means '+' then the value of 8 α 6 γ 4 β 7 ω 3 ?

(a) 14 (b) -71/3

(c) 12 (d) -23/2

RRB NTPC 12.04.2016 Shift : II

Ans. (b) $8 \alpha 6 \gamma 4 \beta 7 \omega 3 = ?$

On changing the symbols

$= 8 \div 6 - 4 \times 7 + 3$

$= \frac{8}{6} - 4 \times 7 + 3$

$= \frac{4}{3} - 28 + 3$

$= \frac{4 - 84 + 9}{3}$

$= \frac{13 - 84}{3} = \frac{-71}{3}$

129. If '<' stands for '–', '>' stands for '+', '=' stands for 'x' and '@' stands for '÷' then what will be the value of 27 > 81 @ 9 < 6?

(a) 32 (b) 33

(c) 30 (d) 35

RRB NTPC 16.04.2016 Shift : III

Ans. (c) $27 > 81 @ 9 < 6 = ?$

On changing the symbols

$= 27 + 81 \div 9 - 6$

$= 27 + 9 - 6$

$= 36 - 6 = 30$

130. If '<' represents '-', '+' represents '÷', '>' represents '+', '-' represents '=', '=' represents '<', '×' represents '>' then which statement is true ?

(a) $3 > 2 < 4 \times 8 + 4 < 2$

(b) $3 + 2 > 4 = 9 + 3 < 2$

(c) $3 + 2 < 4 \times 9 + 3 < 3$

(d) $3 > 2 > 4 = 18 + 3 < 1$

RPF SI 16.01.2019 Shift : II

Ans. (a) from option (a)

$3 > 2 < 4 \times 8 + 4 < 2$

On changing the symbols

$= 3 + 2 - 4 > 8 \div 4 - 2$

$= 5 - 4 > 2 - 2$

$= 1 > 0$

Hence option (a) is correct. So there is no need to check other option.

131. If '← ' stands for '+', '→' stands for '–', '↑ ' stands for '+', '↓', stands for 'x', '^' stands for '=', then which of the following alternatives is correct"

(a) $3 \downarrow 6 \uparrow 2 \leftarrow 3 \rightarrow 6 \wedge 5$

(b) $2 \downarrow 5 \rightarrow 6 \leftarrow 2 \wedge 6$

(c) $7 \rightarrow 43 \uparrow 6 \downarrow 1 \wedge 4$

(d) $5 \leftarrow 7 \rightarrow 3 \uparrow 2 \wedge 4$

RRB NTPC 16.04.2016 Shift : I

Ans. (b) $\leftarrow = +$, $\rightarrow = -$, $\uparrow = +$, $\downarrow = \times$, $\wedge = =$

After changing the symbol, through the option.

(a) $3 \times 6 + 2 + 3 - 6 = 5$

$\Rightarrow$ $23 - 6 = 5$

$\Rightarrow$ $17 \neq 5$

(b) $2 \times 5 - 6 + 2 = 6$

$\Rightarrow$ $12 - 6 = 6$

$\Rightarrow$ $6 = 6$

(c) $7 - 43 + 6 \times 1 = 4$

$\Rightarrow$ $-30 \neq 4$

(d) $5 + 7 - 3 + 2 = 4$

$\Rightarrow$ $11 \neq 4$

Hence option (b) is correct.

132. If 'α' represents '>'; 'β' represents '<'; 'γ' represents ≤ 'δ' represents ≥ And 'μ' represents '='।

If 3C δ 2A and B α C then which statement is true ?

(a) 38 μ 2A (b) B μ A

(c) 3B α 2A (d) 2A α 3B

RRB NTPC 18.04.2016 Shift : I

Ans. (c) Given

$\alpha \rightarrow >$, $\beta \rightarrow <$, $\gamma \rightarrow \not>$, $\delta \rightarrow \not<$, $\mu \rightarrow =$

and $3C \delta 2A = 3C \not< 2A$) $3B > 3C \not< 2A$

$B \alpha C = B > C$

Hence from statement (c) is correct.

$3B \alpha 2A = 3B > 2A$ (सही है)

133. If & means '+', $ means '–', # means '÷' and % means '×' then 8 % 2 & 11 $ 24 & 24 # 6= ?

(a) –1 (b) 4.5
(c) 92 (d) 7

RRB Constable 20.01.2019 Shift : I

Ans. (d) 8%2 & 11 $ 24 # 6 = ?
On changing the symbols
$8 \times 2 + 11 - 24 + 24 \div 6$
$= 16+11 - 24 + 4$
$= 27-24 + 4$
$= 7$

134. If & means '+', $ means '–', # means '÷' And % means '×' then the value of 9 % 3 & 22 $ 52 & 85 # 17 = ?

(a) 8 (b) 2
(c) –3 (d) 5

RRB NTPC 18.01.2017 Shift : 1

Ans. (b) 9 % 3 & 22 $ 52 & 85 # 17 = ?
On changing the symbols
$= 9 \times 3 + 22 - 52 + 85 \div 17$
$= 27 + 22 - 52 + 5$
$= 54 - 52 = 2$

135. If $\Delta \times \square = 48$, $O \times \Delta = 24$, $\Diamond \times O = 8$ find $\Diamond \times \Delta$ = ?

(a) 32 (b) 12
(c) 16 (d) 24

RRB NTPC 28.03.2016 Shift : III

Ans. (b) $\Delta \times \square = 48$, $O \times \Delta = 24$, $\Diamond \times O = 8$
$6 \times 8 = 48$ $4 \times 6 = 24$ $2 \times 4 = 8$
Hence $\Diamond \times \Delta = 2 \times 6 = 12$

136. If !=÷, # = +, ^=× then the value of 32!4^7#5?

(a) 58 (b) 61
(c) 64 (d) 55

RRB NTPC 16.04.2016 Shift : III

Ans. (b) 32!4^7#5 = ?
On changing the symbols
$= 32 \div 4 \times 7 + 5$
$\Rightarrow \frac{32}{4} \times 7 + 5$
$\Rightarrow 8 \times 7 + 5$
$\Rightarrow 56 + 5$
$\Rightarrow 61$

137. If 15 @ 22 = 34, 29 @ 62 = 88 And 43 @ 10 = 50 then the value of 37 @ 91 ?

(a) 125 (b) 134
(c) 110 (d) 146

RRB JE - 27/06/2019 (Shift-III)

Ans : (a) Just as,
$15 @ 22 = 34 \Rightarrow 15 + 22 - 3 = 34$
$29 @ 62 = 88 \Rightarrow 29 + 62 - 3 = 88$
$43 @ 10 = 50 \Rightarrow 43 + 10 - 3 = 50$
similarly,
$37 @ 91 = 37 + 91 - 3 = 128 - 3 = 125$

138. If 14 * 64 = 39, 25 *37 = 31 And 9* 17 = 13 then the value of 52 * 46 ?

(a) 42 (b) 38
(c) 51 (d) 49

RRB JE - 25/05/2019 (Shift-II)

Ans : (d) Just as,
$14 * 64 = 39$, $25 * 37 = 31$ $9 * 17 = 13$
$\frac{14+64}{2} = 39$ $\frac{25+37}{2} = 31$ $\frac{9+17}{2} = 13$
Similarly,
$52 * 46$
$\frac{52+46}{2} = \frac{98}{2} = \boxed{49}$

139. If 4 $ 4 # 2 = 8 And 3 $ 8 # 2 = 12 then 7 $ 6 # 3 = ?

(a) 11 (b) 14
(c) 16 (d) 9

RRB JE - 23/05/2019 (Shift-I)

Ans : (b) Just as,
$4 \$ 4 \# 2 = 8, \Rightarrow 4 \times 4 \div 2 = 8$
$3 \$ 8 \# 2 = 12 \Rightarrow 3 \times 8 \div 2 = 12$
Similarly,
$7 \$ 6 \# 3 \Rightarrow 7 \times 6 \div 3 = 14$

Type - 4

140. Interchanging which two sign will make the following equation correct
((65 – 4 – 10) + 25) ÷ 9 = 6 ?

(a) multiplication and addition
(b) subtraction and division
(c) addition and subtraction
(d) division and multiplication

RRB Group-D – 04/12/2018 (Shift-III)

Ans. (c) $(65 - 4 - 10) + 25) \div 9 = 6$
By changing addition **and** subtraction symbols
$= (65 + 4 + 10) - 25) \div 9 = 6$
$= (79 - 25) \div 9 = 6$
$= 54 \div 9 = 6$
$6 = 6$ (L.H.S = R.H.S)

141. Interchanging which two sign will make the following equation correct
5 × 15 ÷ 7 – 20 + 4 = 77

(a) – and + (b) × and ÷
(c) + and ÷ (d) + and ×

RRB NTPC 30.04.2016 Shift : 3

Ans. (c) $5 \times 15 \div 7 - 20 + 4 = 77$
from option (a)
$5 \times 15 \div 7 + 20 - 4 = 77$
$5 \times \frac{15}{7} + 20 - 4 \neq 77$
from option (b)
$5 \div 15 \times 7 - 20 + 4 = 77$
$\frac{1}{3} \times 7 - 20 + 4 \neq 77$
from option (c)
$5 \times 15 + 7 - 20 \div 4 = 77$
$5 \times 15 + 7 - 5 = 77$
$75 + 7 - 5 = 77$
$77 = 77$

142. Interchanging which two sign will make the following equation correct

$63 \div 7 + 5 \times 3 - 46 = 2$

(a) ÷ **And** − (b) × **And** +

(c) ÷ **And** × (d) × **And** −

RRB NTPC 28.04.2016 Shift : 3

Ans. (b) $63 \div 7 + 5 \times 3 - 46 = 2$

By converting (× **and** +)

$63 \div 7 \times 5 + 3 - 46 = 2$

$\Rightarrow \quad 9 \times 5 + 3 - 46 = 2$

$\Rightarrow \quad 48 - 46 = 2$

$\Rightarrow \quad 2 = 2$

$\Rightarrow$ L.H.S. = R.H.S.

Hence option (b) is correct answer.

143. Interchanging which two sign will make the following equation correct

$5 \times 36 - 9 + 31 \div 41 = 10$

(a) ÷ **And** − (b) × **And** +

(c) ÷ **And** × (d) × **And** −

RRB NTPC 28.04.2016 Shift : III

Ans. (a) $5 \times 36 - 9 + 31 \div 41 = 10$ (Basic equation)

symbols ÷ **and** −

$5 \times 36 \div 9 + 31 - 41 = 10$

$\Rightarrow \quad 5 \times 4 - 10 = 10$

$\Rightarrow \quad 10 = 10$

L.H.S. = R.H.S.

Hence option (a) is correct answer.

144. Interchanging which two sign will make the following equation correct

$72 \div 9 + 5 \times 3 - 2 = 41$

(a) ÷ **And** - (b) × **And** +

(c) ÷ **And** × (d) × **And** -

RRB NTPC 28.04.2016 Shift : II

Ans. (b) $72 \div 9 + 5 \times 3 - 2 = 41$

from option (b),

When × **and** + are interchanged.

$72 \div 9 \times 5 + 3 - 2 = 41$

$8 \times 5 + 3 - 2 = 41$

$43 - 2 = 41$

$41 = 41$

145. Interchanging which two sign will make the following equation correct

$3 - 9 \times 27 + 9 \div 3 = 3$

(a) × and + (b) × and ÷

(c) − and ÷ (d) × and −

RRB Constable 20.01.2019 Shift : II

Ans. (d) from option (d)

$3 \times 9 - 27 + 9 \div 3 = 3$

$27 - 27 + 9 \div 3 = 3$

$27 - 27 + 3 = 3$

$30 - 27 = 3$

$3 = 3$

146. Interchanging which two sign will make the following equation correct

$15 \div 9 \times 3 - 74 + 2 = 5$

(a) + and − (b) ÷ and ×

(c) + and ÷ (d) − and ÷

RRB NTPC 26.04.2016 Shift : 3

Ans. (c)

$15 \div 9 \times 3 - 74 + 2 = 5$ (Basic equation)

On converting + and ÷ as per option (c).

$15 + 9 \times 3 - 74 \div 2 = 5$

$15 + 9 \times 3 - 37 = 5$

$15 + 27 - 37 = 5$

$42 - 37 = 5$

$5 = 5$

147. Interchanging which two signs will make the following equation correct?

$16 + 4 \div 2 - 21 \times 7 = 21$

(a) + and × (b) + and ×

(c) − and ÷ (d) × and ÷

RRB NTPC 26.04.2016 Shift : III

Ans. (d) $16 + 4 \div 2 - 21 \times 7 = 21$

On exchanging × and ÷ signs/symbols from option (d)

$16 + 4 \times 2 - 21 \div 7 = 21$

$16 + 4 \times 2 - 3 = 21$

$16 + 8 - 3 = 21$

$21 = 21$

148. Interchanging which two sign will make the following equation correct

$42 \div 4 + 2 - 3 \times 5 = 29$

(a) + and × (b) + and −

(c) − and × (d) ÷ and +

RRB NTPC 26.04.2016 Shift : II

Ans. (d) from option (d)

$42 \div 4 + 2 - 3 \times 5 = 29$ (basic equation)

On solving by exchanging ÷ **and** + among them solves.

$42 + 4 \div 2 - 3 \times 5 = 29$

$42 + 2 - 3 \times 5 = 29$

$42 + 2 - 15 = 29$

$44 - 15 = 29$

$29 = 29$

149. If "+" and "×" signs as well as "3" and "2" are interchanged, then which of the one following is correct?

(a) $4 + 2 \times 3 = 14$ (b) $14 + 3 \times 2 = 4$

(c) $4 + 2 \times 14 = 3$ (d) $2 + 3 \times 4 = 14$

RPF SI 16.01.2019 Shift : III

Ans. (a) By converting + and × , 3 and 2.

(a) $4 + 2 \times 3 = 14$

$4 \times 3 + 2 = 14$

$\Rightarrow \quad 14 = 14$ (✓)

(b) $14 + 3 \times 2 = 14$

$14 \times 2 + 3 = 4$

$\Rightarrow \quad 31 \neq 4$ (×)

(c) $4 + 2 \times 14 = 3$

$4 \times 3 + 14 = 2$

$\Rightarrow \quad 26 \neq 2$ (×)

(d) $2 + 3 \times 4 = 14$

$3 \times 2 + 4 = 14$

$\Rightarrow \quad 10 \neq 14$ (×)

150. If "–" and "+" signs as well as "x" and "÷" are interchanged, then which of the value is
27 –15 ÷ 84 × 6 + 13 ?

(a) 43 (b) 260
(c) -170 (d) 224

RRB NTPC 26.04.2016 Shift : I

Ans. (d) 27−15 ÷ 84 × 6 + 13…… (basic equation)
On Solving question by changing the mathematical symbols.

$\Rightarrow$ 27 + 15 × 84 ÷ 6 – 13
$\Rightarrow$ 27 + 15 ×14 – 13
$\Rightarrow$ 27 + 210 - 13
$\Rightarrow$ 237 - 13
$\Rightarrow$ 224

151. If sign "+" as well as "÷" and "1" and "4" are interchanged, then which of the following is correct?

(a) 3 + 4 ÷ 2 = 1 (b) 6 + 1 ÷ 4 = 2
(c) 6 + 2 ÷ 4 = 1 (d) 5 ÷ 2 + 4 = 1

RRB NTPC 22.04.2016 Shift : III

Ans. (c) from option (c)
6 + 2 ÷ 4 = 1
On changing the symbols
= 6 ÷ 2 + 1 = 4
= 3 + 1 = 4
$\Rightarrow$ $\boxed{4 = 4}$

152. If "–" and "×" signs as well as "4" and "3" are interchanged, then which of the value is 2 + 9 ÷ 4 – 3 × 1?

(a) 11 (b) 13
(c) 15 (d) 17

RRB NTPC 22.04.2016 Shift : III

Ans. (b) 2 + 9 ÷ 4 – 3 × 1
On changing the symbol **and** number according to the question.
= 2 + 9 ÷ 3 × 4 –1
= 2 + 3 × 4 –1
= 2 + 12 – 1
= 14 –1 = 13

153. If "–" and "×" signs as well as "7" and "3" are interchanged, then which one of the following is correct?

(a) 20 × 1 – 7 = 3 (b) 1 × 20 – 7 = 20
(c) 3 – 7 × 1 = 20 (d) 20 – 3 × 1 = 7

RRB NTPC 22.04.2016 Shift : II

Ans. (c) On changing the symbol according to the options.
(a) 20×1– 7 = 3
On changing the digits and signs
20 –1 × 3 = 7
19 × 3 ≠ 7
(b) 1 × 20 - 7 = 20
On changing the digits **and** signs.
1 – 20 × 7 = 20
– 139 ≠ 20
(c) 3 – 7×1 = 20
On changing the digits **and** signs.
7 × 3 –1 = 20
21 – 1= 20
20 = 20
L.H.S. = R.H.S.

154. Interchanging which two signs will make the following equation correct?
15 + 3 × 9 − 4 ÷ 16 = 57

(a) - **and** + (b) - **and** ÷
(c) - **and** × (d) + **and** ÷

RRB NTPC 22.04.2016 Shift : II

Ans. (d) 15 + 3 × 9 – 4 ÷ 16 = 57
from option (a)

$$15 - 3 \times 9 + \frac{1}{4} = 57$$

$$15 - 27 + \frac{1}{4} = 57$$

$$-12 + \frac{1}{4} \neq 57$$

from option (b) − 15 + 3 × 9 ÷ 4 – 16 = 57

$$15 + 3 \times \frac{9}{4} - 16 = 57$$

$$15 + \frac{27}{4} - 16 = 57$$

$$-1 + \frac{27}{4} \neq 57$$

from option (c) − 15 + 3 – 9 × 4 ÷ 16 = 57

$$15 + 3 - 9 \times \frac{1}{4} = 57$$

$$18 - \frac{9}{4} \neq 57$$

option from (d) − 15 ÷ 3 × 9 – 4 + 16 = 57
5 × 9 – 4 +16 = 57
45 + 12 = 57
57 = 57

155. If signs – and ×, and numbers 5 and 14 are interchanged, then the value of 5 + 4 ÷ 2 − 8 × 14 is.

(a) 15 (b) 20
(c) 25 (d) 30

RRB NTPC 22.04.2016 Shift : II

Ans. (c) 5 + 4 ÷ 2 – 8 × 14 में
symbols – **and** × and the values of the number 5 **and** 14 mutually change
14 + 4 ÷ 2 × 8 – 5
from BODMAS rules–
$\Rightarrow$ 14 + 2 × 8 – 5
$\Rightarrow$ 14 + 16 – 5
$\Rightarrow$ 30 – 5
$\Rightarrow$ 25

156. If signs – and ÷ are interchanged, then the value of 38 – 2 + 1 × 6 ÷ 6 ?

(a) 37 (b) 20
(c) 0 (d) 19

RRB Constable 20.01.2019 Shift : III

Ans. (d) 38 – 2 + 1 × 6 ÷ 6 = ?
On changing the symbols
= 38 ÷ 2 + 1 × 6 – 6
= 19 + 6 – 6
= 25 – 6
= 19

157. In the following equation, if the mathematical operators '–' and '×' are interchanged then the value of 4 – 6 + 1 × 15 ÷ 3.

(a) 24 (b) 20
(c) –5 (d) –4

RRB NTPC 06.04.2016 Shift : II

Ans. (b) 4 – 6 + 1 × 15 ÷ 3 = ?
On changing the symbols
= 4 × 6 + 1 – 15 ÷ 3
= 4 × 6 + 1 – 5
= 24 + 1 – 5
= 25 – 5
= 20

158. Interchanging which two signs will make the following equation correct?
3.5 + 4 × 7 – 8 ÷ 1 = 6

(a) × and – (b) + and ÷
(c) – and + (d) ÷ and –

RRB NTPC 07.04.2016 Shift : II

Ans. (d) Equation 3.5 + 4 × 7 – 8 ÷ 1 = 6
on taking option (a)
3.5 + 4–7 × 8 ÷ 1 = 6
= – 48.5 ≠ 6
on taking option (b)
3.5 ÷ 4 × 7 – 8 + 1 = 6

$$\Rightarrow \frac{3.5}{4} \times 7 - 7 = 6$$

$$\Rightarrow \frac{24.5 - 28}{4} = 6$$

$$\Rightarrow -\frac{3.5}{4} \neq 6$$

on taking option (c)
3.5 – 4 × 7 + 8 ÷ 1 = 6
⇒11.5 – 28 = 6
⇒ – 16.5 ≠ 6
on taking option (d)
3.5 + 4 × 7 ÷ 8 – 1 = 6
⇒ 3.5 + 3.5 – 1 = 6
⇒ 7 – 1 = 6
⇒ $\boxed{6 = 6}$
Hence option (d) is correct.

159. Which one of the following interchanges in signs and numbers would make the given equation correct?
3 + 5 – 2 = 4

(a) + **And** –, 2 **And** 5
(b) + **And** –, 3 **And** 4
(c) + **And** –, 2 **And** 4
(d) + **And** –, 3 **And** 5

RRB NTPC 16.04.2016 Shift : III

Ans. (d) 3 + 5 – 2 = 4
You can correct the given equation by changing the given expression 3 and 5 mutations.
⇒ 5 – 3 + 2 = 4
⇒ 2 + 2 = 4
⇒ 4 = 4

160. Select the correct set of symbols that corresponds to the given equation.
5 0 3 5 = 20

(a) +, -, + (b) ×, +, ×
(c) -, +, × (d) ×, ×, ×

RRB NTPC 18.04.2016 Shift : I

Ans. (c) The correct group corresponding to the given equation is the following.
5 - 0 + 3 × 5 = 20
20 = 20 (LHS = RHS)

161. 186 # 31 # 36 # To get a balanced equation from replace the # symbols with mathematical symbols '+', '÷' '–' or '='.

(a) ÷ + = (b) – = +
(c) – + ÷ (d) ÷ = –

RPF SI 11.01.2019 Shift : I

Ans. (d) from option (d).
186 # 31 # 36 # 30
on changing the symbols
186 ÷ 31 = 36 – 30
6 = 6 (LHS = RHS)

162. Correct the mathematical symbols from the given alternatives change the sign by choosing the combination and get a balanced equation-
14 # 9 # 3 # 19 # 6?

(a) + = + - (b) + × = +
(c) - ÷ + = (d) = × - +

RRB NTPC 18.01.2017 Shift : 1

Ans. (d) Given equation 14 # 9 # 3 # 19 # 6
putting the value of all signs from option (d).
14 = 9 × 3 – 19 + 6
14 = 27 – 19 + 6
14 = 33 – 19
14 = 14
L.H.S. = R.H.S.

163. Which one of the following interchanges in signs and numbers would make the given equation correct-
16 – 24 × 2 ÷ 10 + 104 = 0

(a) ÷ **And** × (b) + **And** ×
(c) – **And** + (d) ÷ **And** –

RRB NTPC 18.01.2017 Shift : 1

Ans. (a) option from (a)
L.H.S. = 16 – 24 × 2 ÷ 10 + 104
On changing the symbols
= 16–24 ÷2 × 10 + 104
= 16 – 12 × 10 + 104
= 16–120 + 104
= 120 – 120
= 0 (LHS = RHS)

164. Which one of the following interchanges in signs and numbers would make the given equation correct-
3 + 2 × 6 – 4 ÷ 5 = 10
(a) + and × (b) + and -
(c) × and ÷ (d) ÷ and +

RRB NTPC 28.03.2016 Shift : III

Ans. (d) 3 + 2 × 6 – 4 ÷ 5 = 10
on exchanging ÷ **and** + symbols
from option (d)
3 ÷ 2 × 6 – 4 + 5 = 10
$\frac{3}{2}\times 6-4+5=10$
10 = 10

165. Which one of the following interchanges in signs and numbers would make the given equation correct-
7 - 11 + 1 × 5 ÷ 50 = 2
(a) – **and** + (b) – **and** ÷
(c) + **and** ÷ (d) × **and** +

RRB NTPC 30.03.2016 Shift : II

Ans. (c) 7 - 11 + 1 × 5 ÷ 50 = 2
On changing the symbols
7 - 11 ÷ 1 × 5 + 50 = 2
from option (c)
7 - 11 × 5 + 50 = 2
7 – 55 + 50 = 2
2 = 2

166. Which signs should be interchanged if the equation below needs to be true?
1.5 + 8 × 9 – 16 ÷ 2 = 4
(a) × **And** – (b) ÷ **And** –
(c) + **And** ÷ (d) – **And** +

RRB NTPC 30.03.2016 Shift : I

Ans. (b) 1.5 + 8 × 9 – 16 ÷ 2 = 4
On changing the symbol according to the option (b)
1.5 + 8 × 9 ÷ 16 – 2 = 4
$1.5+\frac{9}{2}-2=4$
1.5 + 4.5 – 2 = 4
4 = 4

167. In the following equation, if the mathematical operators '+' and '÷', 5 and 2 are interchanged then the value of the equation-
5 – 11 + 1 × 5 ÷ 20 = ?
(a) 2 (b) 0
(c) –22 (d) –26

RRB NTPC 31.03.2016 Shift : I

Ans. (b) 5 – 11 + 1 × 5 ÷ 20
By converting + to ÷ **and** 5 to 2.
= 2 – 11 ÷ 1 × 2 + 20
= 2 – 11 × 2 + 20
= 22 – 22 = 0

168. If signs + and ×, are interchanged, then the value of-
9 ÷ 5 + 10 – 23 × 2?
(a) 3 (b) 2
(c) -3 (d) -5

RRB NTPC 03.04.2016 Shift : I

Ans. (c) 9 ÷ 5 + 10 – 23 × 2
On changing the symbols according to the question.
= 9 ÷ 5 ×10 - 23 + 2
$=\frac{9}{5}\times 10-23+2$
= 18 – 23 + 2 = 20 – 23 = – 3

169. If signs ÷ and +, are interchanged, then the value of-
35 -10 + 1 × 5 ÷ 15?
(a) 15 (b) 0
(c) -15 (d) 1

RRB NTPC 05.04.2016 Shift : II

Ans. (b) 35 - 10 + 1 × 5 ÷ 15
÷ and + symbols on changing
= 35 -10 ÷ 1 × 5 + 15
= 35 -10 × 5 + 15
= 35 - 50 + 15 = 0

170. Choose the correct option from the following option to replace with a mathematical symbol '+', '÷' And '-' find the value 12*3*2*6?
(a) + ÷ = (b) ÷ + =
(c) ÷ = + (d) + = ÷

RRB NTPC 05.04.2016 Shift-I

Ans. (b) 12 * 3 * 2 * 6 = ?
On changing the symbols
= 12÷3 + 2 = 6
= 4 + 2 = 6
6 = 6 (LHS = RHS)

171. Which signs should be interchanged if the equation below needs to be true?
5 + 3 × 8 – 12 ÷ 4 = 3
(a) + **and** – (b) + **and** ÷
(c) – **and** ÷ (d) – **and** ×

RRB NTPC 17.01.2017 Shift-III

Ans. (c) 5 + 3 × 8 – 12 ÷ 4 = 3
from option (a)
5 – 3 × 8 + 12 ÷ 4 = 3
⇒ 5 – 3 × 8 + 3 = 3
⇒ 5 – 24 + 3 = 3
⇒ 8 – 24 + 3 = 3
⇒ –16 ≠ 3
from option (b)
5 ÷ 3 × 8 – 12 + 4 = 3
$\Rightarrow \frac{5}{3}\times 8-12+4=3$

$$\Rightarrow \frac{40}{3} - 12 + 4 = 3$$

$$\Rightarrow \frac{40 + 12 - 36}{3} = 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

from option (c)

$5 + 3 \times 8 \div 12 - 4 = 3$

$\Rightarrow 5 + 3 \times \frac{8}{12} - 4 = 3$

$\Rightarrow 5 + 2 - 4 = 3 \Rightarrow 7 - 4 = 3$

$\Rightarrow 3 = 3$

option from (d)

$5 + 3 - 8 \times 12 \div 4 = 3$

$5 + 3 - 8 \times 3 = 3$

$8 - 24 = 3 \Rightarrow -16 \neq 3$

Hence option (c) is the correct answer.

172. What will be the value of expansion if the sign '+' and 'x' are inter changed?

45 ÷ 0.4 – 21 × 3 + 1

(a) –5 (b) 12

(c) 7 (d) 11

RRB NTPC 17.01.2017 Shift-II

Ans. (b) $45 \div 0.4 - 21 \times 3 + 1 = ?$

On changing the symbols

$= 45 \times 0.4 - 21 \div 3 + 1$

$= 18 - 7 + 1$

$= 12$

173. Correct the mathematical symbols from the given alternatives change the sign by choosing the combination and get a balanced equation- 25*5*35*20*2?

(a) = × ÷ + (b) + = × ÷

(c) ÷ + = × (d) × ÷ + =

RRB NTPC 17.01.2017 Shift-II

Ans. (c) 25*5*35*20*2

according to the option (a)

$25 = 5 \times 35 \div 20 + 2$

$25 = 5 \times \frac{35}{20} + 2$

$25 = \frac{35}{4} + 2$

Left side ≠ Right side

from option (b)

$25 + 5 = 35 \times 20 \div 2 \Rightarrow 30 = 350$

Left side ≠ Right side

from option (c)

$25 \div 5 + 35 = 20 \times 2 \Rightarrow 40 = 40$

Left side = Right side

174. In the following equation, if the mathematical operators '+' and, '÷' 2 and 4 are interchanged then which equation is correct?

(a) $4 \div 2 + 3 = 6$ (b) $2 + 4 \div 3 = 3$

(c) $4 + 2 \div 6 = 1.5$ (d) $2 + 4 \div 6 = 8$

RRB NTPC 17.01.2017 Shift-I

Ans. (d)

(a) $4 \div 2 + 3 \xrightarrow{\text{Interchanged}} 2 + 4 \div 3 = 2\frac{4}{3} \neq 6$

(b) $2 + 4 \div 3 \xrightarrow{\text{Interchanged}} 4 \div 2 + 3 = 5 \neq 3$

(c) $4 + 2 \div 6 \xrightarrow{\text{Interchanged}} 2 \div 4 + 6 = 6 + \frac{1}{2} = 6\frac{1}{2} \neq 1.5$

(d) $2 + 4 \div 6 \xrightarrow{\text{Interchanged}} 4 \div 2 + 6 = 2 + 6 \Rightarrow 8 = 8$

(LHS = RHS)

175. In the given equation, LHS = RHS only when we interchange numbers _____ on the same side.

6 × 4 + 2 = 16

(a) × to +, 2 to 6

(b) × to +, 4 to 2

(c) × to +, 16 to 6

(d) × to +, 4 to 6

RRB ALP & Tec. (29-08-18 Shift-I)

Ans : (d) Given equation $\Rightarrow 6 \times 4 + 2 = 16$

In the above equation, × to + **and** 4 to 6.

$4 + 6 \times 2 = 16$

$4 + 12 = 16$

$\boxed{16 = 16}$, LHS = RHS

Hence option (d) is correct option.

176. In the given equation, LHS = RHS only when we interchange numbers _____ on the same side.

5 + 3 × 6 – 4 ÷ 2 = 4 × 3 – 10 ÷ 2 + 7

(a) 5 and 2 (b) 3 and 7

(c) 6 and 4 (d) 4 and 7

RRB ALP & Tec. (09-08-18 Shift-III)

Ans : (c) $5 + 3 \times 6 - 4 \div 2 = 4 \times 3 - 10 \div 2 + 7$

substituting 6 and 4 according to the option (c).

$5 + 3 \times 4 - 6 \div 2 = 4 \times 3 - 10 \div 2 + 7$

$5 + 12 - 3 = 12 - 5 + 7$

$17 - 3 = 19 - 5$

$14 = 14$ (LHS = RHS)

177. Interchanging which two signs will make the following equation correct?

5 + 6 ÷ 3 – 2 × 5 = 13

(a) + and ÷ (b) ÷ and ×

(c) + and × (d) ÷ and –

RRB JE - 28/05/2019 (Shift-II)

Ans : (c) $5 + 6 \div 3 - 2 \times 5 = 13$

On changing + and × symbol from option (c).

$5 \times 6 \div 3 - 2 + 5 = 13$

from BODMAS rules

$10 - 2 + 5 = 13$

$13 = 13$

178. Which one of the following interchanges in signs would make the given equation correct? 4 × 3 - 6 ÷ 2 + 7 = 8

(a) + and – (b) – and +

(c) – and × (d) × and ÷

RPF SI 11.01.2019 Shift : II

Ans : (a) $4 \times 3 - 6 \div 2 + 7 = 8$
from option (a)
On changing the symbols
$+ = -$
$- = +$
$4 \times 3 + 6 \div 2 - 7 = 8$
$12 + 3 - 7 = 8$
$15 - 7 = 8$
$\boxed{8 = 8}$

179. Which one of the following interchanges in signs and numbers would make the given equation correct?
$15 + 4 - 2 \times 7 = 27$
(a) – and +; 2 and 15 (b) + and –; 2 and 4
(c) × and +; 7 and 4 (d) × and –; 4 and 15

RRB Constable 22.01.2019 Shift : I

Ans : (d) $15 + 4 - 2 \times 7 = 27$
from option (d)
$4 + 15 \times 2 - 7 = 27$
$4 + 30 - 7 = 27$
$27 = 27$
L.H.S = R.H.S

180. Interchanging which two signs will make the following equation correct?
$3 \div 5 \times 8 + 2 - 10 = 13$
(a) ÷ and – (b) ÷ and –
(c) × and ÷ (d) ÷ and +

RRB JE - 28/06/2019 (Shift-III)

Ans. (d) $3 \div 5 \times 8 + 2 - 10 = 13$
By converging ÷ **and** + according to the option (d).
$3 + 5 \times 8 \div 2 - 10 = 13$
$3 + 5 \times 4 - 10 = 13$
$3 + 20 - 10 = 13$
$23 - 10 = 13$
$13 = 13$ (LHS = RHS)

181. Interchanging which two signs will make the following equation correct?
$5 + 3 \times 8 - 12 \div 4 = 3$
(a) × and ÷ (b) ÷ and +
(c) + and – (d) ÷ and –

RRB JE - 27/06/2019 (Shift-I)

Ans : (d) $5 + 3 \times 8 - 12 \div 4 = 3$
from option (d)
On changing the symbols according to the question
$5 + 3 \times 8 \div 12 - 4 = 3$
$5 + 3 \times 8 \times \frac{1}{12} - 4 = 3$
$5 + 2 - 4 = 3$
$3 = 3$

182. Interchanging which two signs will make the following equation correct?
$7 + 10 \div 5 - 5 = 10$
(a) ÷ and = (b) + and –
(c) ÷ and = (d) ÷ and +

RRB JE - 22/05/2019 (Shift-I)

Ans : (b) $7 + 10 \div 5 - 5 = 10$
On converting + and – from option (b)
$7 - 10 \div 5 + 5 = 10$
$7 - 2 + 5 = 10$
$10 = 10$

Type - 5

183. Solve the following using the law of BODMAS
$$25 - 2 + \left[3\left\{(10-4)^2 - 19 \times 2\right\}\right] = ?$$
(a) 17 (b) 12
(c) 95 (d) 125

RRB Group-D – 29/10/2018 (Shift-III)

Ans : (a)
$$= 25 - 2 + \left[3\left\{(10-4)^2 - 19 \times 2\right\}\right]$$
$$= 25 - 2 + \left[3\left\{(6)^2 - 38\right\}\right]$$
$$= 25 - 2 + \left[3 \times 36 - 38 \times 3\right]$$
$$= 25 - 2 + \left[3 \times (-2)\right]$$
$$= 25 - 2 - 6$$
$$= 25 - 8$$
$$= 17$$

184. To get the given result in the following equation what alternative set of mathematical symbols should be replaced by__?
(15?12) ?6?8 = 26
(a) –, ×, + (b) +, –, ÷
(c) +, – (d) +, –, ±

RRB Group-D – 03/12/2018 (Shift-II)

Ans : (a) (15 ? 12) ? 6 ? 8 = 26
from option (a)
$(15 - 12) \times 6 + 8 = 26$
$3 \times 6 + 8 = 26$
$18 + 8 = 26$
$\boxed{26 = 26}$

185. Select the correct set of symbols
63 7 5 4 = 49
(a) ×, –, ÷ (b) +, ÷, –
(c) +, –, ÷ (d) ÷, × , +

RRB NTPC 10.04.2016 Shift : III

Ans. (d) 63 7 5 4 = 49
from option (a)
$63 \times 7 - 5 \div 4 = 49$
$\Rightarrow 441 - \frac{5}{4} = 49$
$\Rightarrow \frac{1764 - 5}{4} = 49 \quad = \frac{1759}{4} \neq 49$
from option (b)
$63 + 7 \div 5 - 4 = 49$
$\Rightarrow 63 + \frac{7}{5} - 4 = 49$
$\Rightarrow \frac{315 + 7 - 20}{5} = 49$
$\Rightarrow \frac{302}{5} \neq 49$
from option (c)
$63 + 7 - 5 \div 4 = 49$

$\Rightarrow 70-\frac{5}{4}=49$

$\Rightarrow \frac{280-5}{4}=49$

$\Rightarrow \frac{275}{4}\neq 49$

from option (d)

$63 \div 7 \times 5 + 4 = 49$

$\Rightarrow 9 \times 5 + 4 = 49$

$\Rightarrow 45 + 4 = 49$

$\Rightarrow 49 = 49$

Hence option (d) is correct.

186. which of the following four change of sign and numbers can correct the given equation in the following question : (3 ÷ 4) + 2 = 6

(a) + and × , 4 and 6 (b) ÷ and ×, 2 and 4

(c) + and ×, 2 and 6 (d) + and ×, 2 and 4

RRB NTPC 18.04.2016 Shift : III

Ans. (d) $(3\div4)+2=6$

according to the option (d)

$(3\div2)\times4=6$

$\frac{3}{2}\times4=6$

$6=6$

The replaced symbol and number are + and ×,2 and 4 respectively so, option (d) is correct.

187. Select the correct set of symbols
7777 = 14

(a) ×, +, ÷ (b) ÷, +, ×

(c) -, ×, ÷ (d) +, ×, ÷

RRB NTPC 28.03.2016 Shift : III

Ans. (d) solving from option(d)

$7\ 7\ 7\ 7 = 14$

$7 + 7 \times 7 \div 7 = 14$

$7 + 7 \times 1 = 14$

$14 = 14$

188. What should come in place of question mark?
72 ? 8 ? 3 = 27

(a) +, × (b) ÷, ×

(c) -, × (d) ×, ÷

RRB NTPC 29.03.2016 Shift : II

Ans. (b) 72 ? 8 ? 3 = 27

from option (b)

$72 \div 8 \times 3 = 27$

$9 \times 3 = 27$

27= 27 (LHS = RHS)

189. If 1=2, 3=6, 4=8, And + = - which is the value of 41+34+13=?

(a) -88 (b) 88

(c) 12 (d) -12

RRB NTPC 16.04.2016 Shift : II

Ans. (d) According to the question.

$1=2, 3=6, 4=8, + = -$

$\therefore 41+34+13=82-68-26$

$=14-26\Rightarrow -12$

190. Select the correct set of symbols
21 9 13 7 = 195

(a) ×, -, ÷ (b) +, ÷, -

(c) +, -, ÷ (d) ×, +, -

RRB NTPC 02.04.2016 Shift : III

Ans. (d) 21 9 13 7 = 195

from option (d)

$21 \times 9 + 13 - 7 = 195$

$189 + 13 - 7 = 195$

$202 - 7 = 195$

195 = 195 (LHS = RHS)

191. Select the correct set of symbols
64 4 5 8 = 88

(a) ×, - ÷ (b) +, ÷, -

(c) +, -, ÷ (d) ÷, ×, +

RRB NTPC 02.04.2016 Shift : III

Ans. (d) Given

$64\ 4\ 5\ 8 = 88$

from option (d)

L.H.S $\Rightarrow 64\div4\times5+8$

L.H.S. = R.H.S.

192. Select the correct set of symbols?
44 4 7 5 = 82

(a) ×, –, ÷ (b) +, ÷, –

(c) +, –, ÷ (d) ÷, ×, +

RRB NTPC 02.04.2016 Shift : II

Ans. (d) 44 4 7 5 = 82

from option (a)

$44 \times 4 - 7 \div 5 = 82$

$176 - \frac{7}{5} \neq 82$

from option (b)

$44 + 4 \div 7 - 5 = 82$

$44 + \frac{4}{7} - 5 \neq 82$

from option (c)

$44 + 4 - 7 \div 5 = 82$

$48 - \frac{7}{5} \neq 82$

from option (d)

$44 \div 4 \times 7 + 5 = 82$

$11 \times 7 + 5 = 82$

$77 + 5 = 82$

$82 = 82$

Hence option (d) is correct answer.

193. Select the correct set of symbols?
27 3 19 10 = 90

(a) ×, –, ÷ (b) +, ÷, –

(c) +, –, ÷ (d) ×, +, –

RRB Constable 22.01.2019 Shift : III

Ans. (d) 27 3 19 10 = 90

from option (d)

$27 \times 3 + 19 - 10 = 90$

$81 + 19 - 10 = 90$

$100 - 10 = 90$

$90 = 90$

option (d) is correct answer.

194. Select the correct set of symbols?
84 12 5 6 = 41
(a) ×, - , ÷ (b) +, ÷, -
(c) +, -, ÷ (d) ÷, ×, +

RRB Constable 24.01.2019 Shift : II

Ans. (d) 84 12 5 6 = 41
from option (d)
84 ÷ 12 × 5 + 6 = 41
7 × 5 + 6 = 41
41 = 41

195. Select the correct set of symbols?
25 5 17 9 = 133
(a) ×, -, ÷ (b) +, ÷, -
(c) +, -, ÷ (d) ×, +, -

RRB NTPC 02.04.2016 Shift : I

Ans. (d) 25 5 17 9 = 133
from option (d)
25 × 5 + 17 – 9 = 133
125 + 8 = 133
133 = 133

196. Select the correct set of symbols?
72 ...6... 7... 7 = 91
(a) ×, –, ÷ (b) +, ÷, –
(c) +, –, ÷ (d) ÷, ×, +

RRB NTPC 03.04.2016 Shift : III

Ans. (d) 72 ...6... 7... 7 = 91
from option (d)
⇒ 72 ÷ 6 × 7 + 7 = 91
⇒ 12 × 7 + 7 = 91
⇒ 84 + 7 = 91
91 = 91

197. Select the correct set of symbols?
23 ... 7... 15 ... 8 = 168
(a) ×, –, ÷ (b) +, ÷, –
(c) +, –, ÷ (d) ×, +, –

RRB NTPC 03.04.2016 Shift : III

Ans. (d) 23 ... 7... 15 ... 8 = 168
from option (d)
23 × 7 + 15 – 8 = 168
161 + 7 = 168
168 = 168 (LHS = RHS)

198. Select the correct set of symbols?
72 8 5 4 = 49
(a) ×, -, + (b) +, ÷, -,
(c) +, -, ÷ (d) ÷, ×, +

RRB NTPC 04.04.2016 Shift : III

Ans. (d) Given
72 8 5 4 = 49
from option(d)
= 72÷5×5+4 = 49
$\frac{72}{8} \times 5 + 4 = 49$
9×5+4 = 49
49 LHS = RHS = 49

199. Select the correct set of symbols?
29 2 13 11 = 60
(a) ×, -, + (b) +, ÷, -,
(c) +, -, ÷ (d) ×, +, -

RPF SI 11.01.2019 Shift : III

Ans. (d) Given
29 2 13 11 = 60
from option (d)
29×2+13–11 = 60
50+2 = 60
60 = 60
Hence option (d) is correct.

200. Choose the correct option from the following option to replace with a mathematical symbol '+', '÷' And '-' find the value (27 # 15 # 2) # 10 # 4,?
(a) + ÷ = – (b) – + = ÷
(c) + – ÷ = (d) + = ÷ –

RRB NTPC 05.04.2016 Shift : III

Ans : (c) (27 # 15 # 2) # 10 # 4
from option (c)
(27 + 15 - 2) ÷ 10 = 4
40 ÷ 10 = 4
4 = 4

201. find the correct sequence of sign to +, –, ×, ÷?
100 □ 25 □ 5 □ 5 □ 21 = 0
(a) ÷, ×, –, + (b) ÷, –, ×, +
(c) –, ÷, ÷, × (d) ÷, +, ×, –

RRB JE - 27/05/2019 (Shift-I)

Ans : (b) 100 □ 25 □ 5 □ 5 □ 21 = 0
from option (b)
100 ÷ 25 – 5 × 5 + 21 = 0
from BODMAS rules
⇒ 4 – 25 + 21 = 0
⇒ 25 – 25 = 0
⇒ 0 = 0

202. fill in the appropriate symbols +,–, ×,÷ ?
(18 – 3) – 7 – 15 – 5 = 0
(a) +,÷,–,÷ (b) +,–×,–,÷
(c) +,+,×,÷ (d) +,–,×,–

RRB JE - 26/05/2019 (Shift-III)

Ans : (a) (18 – 3) – 7 – 15 – 5 = 0
from option (a)
(18 + 3) ÷ 7 – 15 ÷ 5 = 0
21 ÷ 7 – 15 ÷ 5 = 0
3 – 3 = 0
0 = 0

203. Arrange the symbol +, –, ×, ÷ correct to balance the given the equation ?
5 □1 □ 3 □ 5 = 20
(a) –, +, – (b) –, ×, ×
(c) ÷, +, × (d) ×, ×, –

RRB Constable 24.01.2019 Shift : I

Ans. (c) 5 □1 □ 3 □ 5 = 20
on arranging the symbols according to option (c).
5 ÷ 1 + 3 × 5 = 20
5 + 15 = 20
20 = 20 (LHS = RHS)