PATWARI-PPSC-PRINCIPAL-HM-BPO

SYMBOL ROTATION

1.If '×' means '–', '–' means '÷', '+' means '×' and '÷' means '+', then what will be the value of the following expression ?

16 – 8 + 4 ÷ 3 × 9 = ?

(a) 10 (b) 19 (c) 2 (d) 9

2. Some equations are solved on the basis of a certain system. On this basis, find out the correct answer from amongst the four alternatives for the unsolved equation :

A = 3(21) 247, B = 5 (?) 407, C = 7(49) 567

(a) 28 (b) 25 (c) 35 (d) 38

3. 7 × 5 × 4 = 57354, 8 × 7 × 3 = 78563, then 6 × 8 × 5 =?

(a) 86585 (b) 86855 (c) 68485 (d) 86485

4. a = 4(369) 9, b= 6(246) 4, c = 7(?) 3

(a) 303 (b) 213 (c) 413 (d) 503

5. Which one of the following is incorrect ?

6 * 3 * 4 * 5

(a) ÷, +, > (b) ÷, >, + (c) >, ÷, + (d) +, >, ÷

6. Some equations are solved on the basis of certain systems. On the same basis find out the correct answer for the unsolved equation.

If 13 × 12 = 651 and 41 × 23 = 448, then 24 × 22 = ?
(a) 504 (b) 46 (c) 528 (d) 924

7. If > = ÷, Ú = ×, < = +, Ù = –, + = =, × = <, – = > then which of the following is correct.
(a) 6 > 2 > 3 Ù 8 Ú 4 + 13 (b) 6 Ù 2 < 3 > 8 < 4 – 13
(c) 6 Ú 2 < 3 Ù 8 > 4 × 13 (d) 6 > 2 Ú 3 < 8 Ù 4 + 13

8. Which one of the following is correct ?
96 * 6 * 8 * 2
(a) ÷, =, × (b) ×, = , ÷ (c) =, ÷, × (d) =, ×, ÷

9. Some equations are solved on the basis of certain systems. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation in the question.
a = 12 (390) 8, b = 7 (134) 5, c = 5 (?) 12
(a) 299 (b) 289 (c) 279 (d) 280

10. Some equations are solved on the basis of a certain system. On the same basis, find the correct answer of the unsolved equation. If 837
= 452 and 106 = 769, then 708 ÷ 77 = ?
(a) 9 (b) 10 (c) 11 (d) 12

11. Select correct combination (sequence) of mathematical signs to replace * signs to balance the equation :

9 * 4 * 22 * 14

(a) × = – (b) × – = (c) = – × (d) – × =

12. Which one of the following responses is correct?

8 * 5 * 27 * 3 * 16

(a) ×, =, –, + (b) –, =, ×, + (c) ×, =, +, – (d) +, –, =, ×

13. If X stands for addition, V stands for subtraction, U stands for equal to', L stands for division, S stands for multiplication, and s stands for greater than and q stands for less than. State which expression is true.

(a) 3 X 8 V 2 U 12 L 3 (b) 13 V 12 X 9 V 2 s 5 S 1

(c) 2 S 3 S 4 q 51 L 3 (d) 3 S 2 S 4 U 2 X 7 V 3

14. Some equations are based on the basis of a certain system. Using the same solve the unsolved equation.

If 10 – 3 = 12, 12 – 4 = 13, 14 – 5 = 14, what is 16 – 6?

(a) 10 (b) 15 (c) 16 (d) 18

15. After interchanging ÷ and ×, 12 and 18, which one of the following equation becomes correct ?

(a) (90 × 18) ÷ 12 = 60 (b) (18 × 6) ÷ 12 = 2

(c) (72 ÷ 18) × 12 = 72 (d) (12 × 6) ÷ 18 = 36

16. In the following question, D stands for any of the mathematical signs at different places, which are given as choices under each question.Select the choice with the correct sequence of signs which when substituted makes the question as a correct equation.

24 D 4 D 5 D 4

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

17. The following equations follow a common property Find out the correct value to complete D :

A = 51 (714) 14; B = 61 (915) 15;

C = 71 (1136) 16;D = 81 (?) 17

(a) (1377) (b) (1378) (c) (1356) (d) (1346)

18. After interchanging ÷ and =, 2 and 3 which one of the following statement becomes correct ?
(a) 15 = 2 ÷ 3 (b) 5 ÷ 15 = 3 (b) 2 = 15 ÷ 3 (d) 3 = 2 ÷ 15

19. 25 * 2 * 6 = 4 * 11 * 0
Which set of symbols can replace * ?
(a) ×, –, ×, + (b) +, –, ×, + (c) ×, +, ×, – (d) ×, +, +, ×

20. If '–' stands for division '+' stands for subtraction, '÷' stands for multiplication, '×' stands for addition, then which one of the following equations is correct?
(a) 70 – 2 + 4 ÷ 5 × 6 = 44 (b) 70 – 2 + 4 ÷ 5 × 6 = 21
(c) 70 – 2 + 4 ÷ 5 × 6 = 341 (d) 70 – 2 + 4 ÷ 5 × 6 = 36

21. If – stands for division, + for multiplication, ÷ for subtraction and × for addition, then which one of the following equation is correct ?
(a) 19 + 5 – 4 × 2 ÷ 4 = 11 (b) 19 × 5 – 4 ÷ 2 + 4 = 16
(c) 19 ÷ 5 + 4 – 2 × 4 = 13 (d) 19 ÷ 5 + 4 + 2 ÷ 4 = 20

22. If '–' stands for '÷', '+' stands for '×', '×' stands for '+', and '÷' stands for '–' which one of the following equation is correct ?

(a) 30 – 6 + 5 × 4 ÷ 2 = 27 (b) 30 + 6 – 5 ÷ 4 × 2 = 30

(c) 30 × 6 ÷ 5 – 4 + 2 = 32 (d) 30 ÷ 6 × 5 + 4 – 2 = 40

23. If '×' means 'addition' '–' means 'division', '÷' means 'subtraction' and +' means 'multiplication', then which of the following equation is correct?

(a) 16 + 5 – 10 × 4 ÷ 3 = 9 (b) 16 – 5 × 10 ÷ 4 + 3 = 12

24.Among five friends A is shorter than B but taller than E, C is slightly taller than B but D is slightly shorter than B and slightly taller A. Who is the shortest ?

(a) A (b) E (c) C (d) D

27. Who is the shortest if

(a) Sunitha is taller than Anitha.

(b) Reena is taller than Chitra but shorter than Banu.

(c) Anitha is shorter than Chitra.

(d) Chitra is taller than Sunita

(a) Chitra (b) Anitha (c) Reena (d) Banu