

Previous Year Topic-wise SSC CGL 2022


Smart Practice Question Series



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Chapter 9 : Mathematical Operation

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Mathematical Operation

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Tier-1

2 Dec, 2022
Shift 2 (11:45-12:45
pm)

21. If means that A is the father of B, means that A is the mother of B, means that A is the brother of B then which of the following expression shows that Q is the daughter of P?
- A. $P \div Q \times R$
 - B. $P \div Q + R$
 - C. $P \times Q \div R$
 - D. $P + Q \div R$

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Tier-1

2 Dec, 2022
Shift 3 (2:30 -3:30
pm)

22. Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.

$$17 * 11 * 42 * 2 * 7 = 18$$

- A. $- + \times \div$
B. $+ - + \times$
C. $- + \times \times$
D. $- + \div \div$

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2 Dec, 2022
Shift 3 (2:30 -3:30
pm)

23. By interchanging the given two signs which of the following equation will be not correct?
+ and -
- A. $18 + 8 \times 6 \div 3 - 11 = 13$
 - B. $4 \times 6 + 7 - 3 \div 1 = 20$
 - C. $18 \div 3 + 8 \times 5 - 4 = 30$
 - D. $6 \times 9 + 7 - 8 \div 2 = 51$

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2 Dec, 2022
Shift 3 (2:30 -3:30
pm)

24. By interchanging the given two signs and numbers which of the following equation will be correct?

+ and -, 2 and 4

A. $9 - 5 \div 4 \times 2 + 8 = 80$

B. $5 + 7 \times 4 - 8 \div 2 = 5$

C. $7 \times 4 - 2 \div 1 + 5 = 13$

D. $7 - 8 \div 2 + 16 \times 4 = 18$

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2 Dec, 2022
Shift 4 (5:30-6:30
pm)

25. By interchanging the given two signs which of the following equation will be not correct?
- and ×
- A. $7 \times 2 + 27 \div 9 - 4 = 18$
 - B. $7 \times 8 + 4 \div 2 - 6 = 11$
 - C. $11 + 6 \times 3 - 8 \div 2 = 5$
 - D. $5 - 6 \times 3 + 16 \div 4 = 31$

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2 Dec, 2022
Shift 4 (5:30-6:30
pm)

26. Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.

$$25 * 5 * 10 * 2 * 13$$

- A. $\div, +, -, =$
B. $\div, \times, -, =$
C. $\div, -, +, =$
D. $\times, +, -, =$

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2 Dec, 2022
Shift 4 (5:30-6:30
pm)

27. By interchanging the given two signs which of the following equation will be not correct?
– and ÷
- A. $12 - 4 + 11 \times 3 \div 8 = 28$
 - B. $35 - 5 + 8 \div 4 \times 3 = 3$
 - C. $20 \times 8 - 4 \div 2 + 7 = 50$
 - D. $10 + 8 \times 6 - 4 \div 2 = 20$

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3 Dec, 2022
Shift 1 (9:00-10:00
am)

28. By Interchanging the given two numbers which of the following equation will be not correct?
5 and 9

A. $9 \times 4 + 5 - 8 \div 2 = 25$

B. $9 - 5 \times 4 + 6 \div 3 = -30$

C. $9 + 7 \times 8 \div 4 - 5 = 10$

D. $9 - 4 \times 5 + 6 \div 2 = -28$

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am)

29. Which two signs and two numbers should be interchanged in the following equation to make it correct?

$$14 \times 6 \div 12 + 15 - 9 = 203$$

- A. 15, 6, +, ÷
- B. 12, 15, -, ×
- C. 12, 9, ÷, -
- D. 14, 6, ÷, ×

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am)

30. Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.

$$20 * 2 * 50 * 5 * 115$$

- A. -, x, =, +
B. +, x, =, -
C. +, x, -, =
D. -, x, +, =

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pm)

31. By interchanging the given two signs and numbers which of the following equation will be correct?

-and +, 6 and 3

A. $7 - 3 \times 2 \div 6 + 4 = 17$

B. $7 + 6 \div 3 \times 8 - 5 = 35$

C. $9 - 6 \times 4 + 3 \times 7 = 8$

D. $8 \times 3 - 6 + 4 \div 2 = 49$

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pm)

32. Which of the following interchange of mathematical signs would make the given equation correct?

$$20 \div 4 \times 8 + 16 - 15 = 11$$

- A. +, ×
- B. +, -
- C. -, ÷
- D. ×, ÷

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Shift 3 (2:30 -3:30
pm)

33. Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.

$$25 * 4 * 6 * 2 * 17$$

- A. -, +, x, =
B. +, -, ÷, =
C. +, -, x, =
D. +, -, =, +

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Shift 4 (5:30-6:30
pm)

34. By interchanging the given two signs and numbers which of the following equation will be correct?

+ and , 1 and 2

A. $8 \times 3 - 4 \div 2 + 1 = 7$

B. $2 \times 3 - 8 \div 1 + 9 = 18$

C. $8 \times 3 - 4 \div 2 + 1 = 3$

D. $2 \times 3 - 8 \div 1 + 2 = 5$

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5 Dec, 2022
Shift 1 (9:00-10:00
am)

35. By interchanging the given two signs and numbers which of the following equation will be not correct?

× and , 2 and 6

I. $7 - 4 \times 3 \div 6 + 2 = 8$

II. $6 - 8 \times 2 + 9 \div 3 = 5$

- A. Only II
B. Neither I nor II
C. Only I
D. Both I and II

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5 Dec, 2022
Shift 1 (9:00-10:00
am)

36. After interchanging the given two numbers and two signs what will be the values of equation (I) and (II) respectively?

– and , 6 and 4

I. $7 \times 6 + 8 \div 2 - 4$

II. $4 - 7 \times 6 + 8 \div 2$

A. A 27, 42

B. B 27, 47

C. C 27, 49

D. D 25, 40

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5 Dec, 2022
Shift 1 (9:00-10:00
am)

37. Which two numbers, from amongst the given options, should be interchanged to make the given equation correct?

$$(6)^2 - 20 + (28 \div 7) - [(\sqrt{4}) \times 8] + (2)^2 = 40$$

- A. 6 and 8
- B. 7 and 2
- C. 2 and 8
- D. 20 and 8

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Shift 3 (2:30 -3:30
pm)

38. By Interchanging the given two numbers which of the following equation will be not correct?
3 and 4
- A. $3 + 5 \times 4 - 6 \div 2 = 16$
 - B. $4 \times 6 - 3 + 9 \div 1 = 25$
 - C. $3 \times 7 - 8 \div 2 + 4 = 27$
 - D. $9 \times 3 \div 6 + 4 - 8 = 1$

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5 Dec, 2022
Shift 3 (2:30 -3:30
pm)

39. By interchanging the given two signs and numbers which of the following equation will be correct?

+ and -, 7 and 3

- A. $7 + 3 \times 9 - 8 \div 2 = 30$
B. $9 \times 7 + 3 - 4 \div 2 = 18$
C. $3 \times 4 \div 2 + 7 - 5 = 16$
D. $3 + 7 \div 1 - 4 \times 2 = 16$

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5 Dec, 2022
Shift 3 (2:30 -3:30
pm)

40. Which two signs should be interchanged to make the given equation correct?

$$(50 \div 3) * 15 + 25 - 10 = 25$$

- A. \div and $-$
- B. $+$ and $*$
- C. \div and $*$
- D. $+$ and $-$

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