(1) If $5 \# 9 @ 7 = 52$ and $3 @ 9 \# 2 = -89$, then $7 \# 6 @ 9 = ?$

SSCCGL201710AUG-S1 : 15
(a) 67 (b) 56 (c) 43 (d) 28

(2) If $6 @ 4 @ 7 = 101$ and $2 @ 5 @ 11 = 150$, then what is the value of $A$ in $A @ 8 @ 9 = 289$?

SSCCGL201711AUG-S3 : 15
(a) 5 (b) 8 (c) 12 (d) 17

(3) If $3 \% 2 = 50$, $2 \% 4 = 60$ then what is the value of $5 \% 4 = ?$

SSCCGL201721AUG-S2 : 15
(a) 14 (b) 8 (c) 90 (d) 20

(4) If $14 \% 32 = 46$, $52 \% 14 = 72$ then what is the value of $35 \% 14 = ?$

SSCCGL201722AUG-S2 : 15
(a) 39 (b) 8 (c) 19 (d) 49

(5) If $3 \times 3 \times 3 = 3$ and $48 \times 4 \times 3 = 36$, then $91 @ 13 \times 2 = ?$

SSCCGL201705AUG-S3 : 15
(a) 4 (b) 8 (c) 10 (d) 14

(6) If $1913 = 3; 253 = 11; 3610 = 13; \text{then what is the value of } 73 = ?$

SSCCGL201717AUG-S1 : 15
(a) 21 (b) 2 (c) 26 (d) 39

(7) If $18 [9] 3$ and $36 [30] 5$, then what is the value of $A$ in $19 [A] 18$?

SSCCGL201709AUG-S1 : 15
(a) 33 (b) 57 (c) 75 (d) 96

(8) If $(2) \# 4 = 2$ and $(4) \# 4 = 16$, then what is the value of $A$ in $(6) \# A = 18$?

SSCCGL201709AUG-S2 : 15
(a) 12 (b) 14 (c) 16 (d) 20

(9) If $36*9 = 45$ and $98*7 = 105$, then what is the value of $5*6*3 = ?$

SSCCGL201711AUG-S1 : 15
(a) 14 (b) 68 (c) 86 (d) 90

(10) If $19 \$ 7 = 312$ and $23 \$ 9 = 448$, then $31 \$ 11 = ?$

SSCCGL201712AUG-S1 : 15
(a) 231 (b) 441 (c) 641 (d) 840

(11) If $12 [20]$ and $21 [35] 28$, then what is the value of $A$ in $48 [80] A$?

SSCCGL201712AUG-S2 : 15
(a) 50 (b) 56 (c) 64 (d) 72

(12) If $4 \times 7 \times 2 = 361$ and $5 \times 9 \times 1 = 480$, then $2 \times 1 \times 3 = ?$

SSCCGL201712AUG-S2 : 15
(a) 50 (b) 56 (c) 64 (d) 72
SSC CGL 2017:

(a) 312 (b) 424 (c) 210 (d) 502

13 If 27 (15) 33 and 41 (13) 53, then what is the value of 'A' in 26 (A) 35?

14 If 13 % 9 = 94 and 18 % 7 = 100, then 24 % 6 = ?

15 If 5 @ 1 = 60; 12 @ 8 = 200; 16 @ 2 = 180, then what is the value of 16 @ 10 = ?

16 If (3)² @ 1 * 7 = 98 and (4)² @ 2 * 16 = 178, then what is the value of (5)² @ 3 * 9 = ?

17 If 18 x 12 = 206 and 19 x 22 = 408, then 23 x 36 = ?

18 If 17 @ 1 = 8; 9 @ 1 = 4; 6 @ 4 = 1; then what is the value of 8 @ 2 = ?

19 If S1 = 25, S2 = 48 and S3 = 4 then what is the value of 4 $ 24 = ?

20 If 9 @ 3 = 12; 15 @ 4 = 22; 16 @ 14 = 4; then what is the value of 6 @ 2 = ?

21 If 45 % 11 = 7, 59 % 34 = 7 then what is the value of 55 % 4 = ?

22 If 9 * 2 * 5 = 23 and 1 * 4 * 8 = 29, then 1 * 6 * 3 = ?

23 If a³ A b³ = 56 and 7² A 2² B 1² = 44, then 11² A 5² B 7² = ?

24 If 26 @ 14 = 80; 5 @ 3 = 16; 6 @ 5 = 22; then what is the value of 14 @ 5 = ?

25 If 35 % 31 = 12, 92 % 30 = 14 then what is the value of 15 % 24 = ?

26 If 52 % 32 = 40, 22 % 20 = 4 then what is the value of 15 % 11 = ?

27 If 7x1 = 12; 5x4 = 2; 6x4 = 4; then what is the value of 7x4 = ?

28 If 52 % 32 = 40, 22 % 20 = 4 then what is the value of 15 % 11 = ?

29 If 4 * 5 % 3 = 8000 and 2 * 3 % 2 = 36, then what is the value of 4 * 3 % 3 = ?

30 If 4 * 5 % 3 = 8000 and 2 * 3 % 2 = 36, then what is the value of 4 * 3 % 3 = ?

31 If 9$ A 4$ B 3$ = 56 and 7² A 2² B 1² = 44, then 11² A 5² B 7² = ?

32 If 9² A 4² B 3² = 56 and 7² A 2² B 1² = 44, then 11² A 5² B 7² = ?
(30) If 75$26 = 4, 69$53 = 7 then what is the value of 82$46 = ?

SSCCGL201706AUG-S1 : 15
(a) 62  (b) 56  (c) 0  (d) 9 1

(31) If $0 12 & 6 = 60 and $0 15 & 11 = 74, then $0 21 & 15 = ?

यदि $0 12 & 6 = 60 तथा $0 15 & 11 = 74, हो, तो $0 21 & 15 = ?

SSCCGL201706AUG-S1 : 22
(a) 161  (b) 139  (c) 153  (d) 147

(32) If 14 [16] 12 and 15 [64] 25, then what is the value of 25 [49] A?


SSCCGL201706AUG-S3 : 15
(a) 32  (b) 24  (c) 5  (d) 32 or 18

(33) If 23@5=56; 6@7=26; 5@2=14; then what is the value of 7@5=?

यदि 23@5=56; 6@7=26; 5@2=14; तो 7@5 = ? का मान ज्ञात कीजिये।

SSCCGL201706AUG-S3 : 15
(a) 26  (b) 24  (c) 19  (d) 52

(34) If 19 + 2 x 2 + 3 = 369 and 23 + 2 x 6 + 2 = 565, then

यदि 19 + 2 x 2 + 3 = 369 तथा 23 + 2 x 6 + 2 = 565 हो, तो

7 + 3 x 11 + 3 = ?

SSCCGL201706AUG-S3 : 24
(a) 1674  (b) 1382  (c) 1268  (d) 1496

(35) If 3 # 4 % 6 = 8 and 9 # 4 % 3 = 12, then 12 % 6 # 24 = ?

यदि 3 # 4 % 6 = 8 तथा 9 # 4 % 3 = 12 हो, तो 12 % 6 # 24 = ?

SSCCGL201708AUG-S1 : 15
(a) 4  (b) 3  (c) 5  (d) 6

(36) If 9#3=6; 15#3=9; 60#4=32; then what is the value of 27#3=?

यदि 9#3=6; 15#3=9; 60#4=32; तो 27#3 = ? का मान ज्ञात कीजिये।

SSCCGL201708AUG-S1 : 15
(a) 30  (b) 9  (c) 3  (d) 6

(37) If 9@7=4; 6@1=10; 7@4=6; then what is the value of 8@2=?

यदि 9@7=4; 6@1=10; 7@4=6; तो 8@2 = ? का मान ज्ञात कीजिये।

SSCCGL201720AUG-S2 : 15
(a) 1  (b) 35  (c) 26  (d) 12

(38) If 23$35 = 13, 3$5 = 8 then what is the value of 4$13 = ?

यदि 23$35 = 13, 3$5 = 8 तो 4$13 = ? का मान ज्ञात कीजिये।

SSCCGL201720AUG-S2 : 15
(a) 8  (b) 1  (c) 6  (d) 4 9

(39) If 10$25 = 8, 12$25 = 10 then what is the value of 14$53 = ?

यदि 10$25 = 8, 12$25 = 10 तो 14$53 = ? का मान ज्ञात कीजिये।

SSCCGL201723AUG-S1 : 15
(a) 13  (b) 15  (c) 11  (d) 9

(40) If 9x=3; 15x=5; 60x=12; then what is the value of 27x= ?

यदि 9x=3; 15x=5; 60x=12; तो 27x= ? का मान ज्ञात कीजिये।

SSCCGL201722AUG-S1 : 15
(a) 30  (b) 9  (c) 3  (d) 6

(41) If 29$14 = 6, 37$25 = 3 then what is the value of 84$62 = ?

यदि 29$14 = 6, 37$25 = 3 तो 84$62 = ? का मान ज्ञात कीजिये।

SSCCGL201723AUG-S2 : 15
(a) 8  (b) 13  (c) 4  (d) 15

(42) If 6#30=5; 8#24=3; 7#28=4; then what is the value of 8#40=?

यदि 6#30=5; 8#24=3; 7#28=4; तो 8#40 = ? का मान ज्ञात कीजिये।

SSCCGL201720AUG-S3 : 15
(a) 47  (b) 4  (c) 5  (d) 2 4

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**SSC CGL 2018 CRASH COURSE**

**Exam Date:**
04-06-2019 to 19-06-2019

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Solution:

(1)  
59 - 7 = 52  
-92 + 3 = -89  
76 - 9 = 67

(2)  
6^2 + 4^2 + 7^2 = 101  
2^2 + 5^2 + 11^2 = 150  
12^2 + 8^2 + 9^2 = 289

(3)  
Here, we have sequence : (no.1 + no.2) x 10  
So, 5%4 is (5+4) x 10 = 90

(4)  
14 + 32 = 46  
52 + 20 = 72  
35 + 14 = 49

(5)  
\[
\begin{align*}
\frac{3}{3} \times 3 &= 3 \\
\frac{48}{91} \times 3 &= 36 \\
\frac{2}{13} \times 2 &= 14
\end{align*}
\]

(6)  
(19 - 13)/2 = 3  
(25 - 3)/2 = 11  
(36 - 10)/2 = 13

(7)  
(18 x 3) + 6 = 9  
(36 x 5) + 6 = 30  
(19 x 18) + 6 = 57

(8)  
# means cube  
And * means divide

(9)  
36 + 9 = 45  
98 + 7 = 105  
65 + 3 = 68

(10)  
19 - 7^2 = 321  
23^2 - 9^2 = 448  
31^2 - 11^2 = 840

(11)  
Difference of non-bracketed digits multiplied by 5 is equal to  
bracket figure so  
48 [80] A where A is 64

(12)  
4 - 1 = 3  
5 - 1 = 4  
2 - 1 = 1

(13)  
2 + 7 + 3 + 2 = 15  
4 + 1 + 5 + 3 = 13  
2 + 6 + 3 + 5 = 16

(14)  
13 - 9 -(13 + 9 + 1) = 117 - 23 = 94  
18 - 7 -(18 + 7 + 1) = 126 - 26 = 100  
24 - 6 -(24 + 6 + 1) = 144 - 31 = 113

(15)  
(5 + 1) x 10 = 60  
(12 + 8) x 10 = 200  
(16 + 2) x 10 = 180  
(16 + 10) x 10 = 260

(16)  
(3)^2 @ 1 x 7 = 98  
9 @ 1 x 7 = 98  
91 + 7 = 98  
Similarly  
5^2 @ 3 x 9 = 25 @ 3 x 9 = 253 + 7 = 262

(17)  
(17 - 1)/2 = 8  
(9 - 1)/2 = 4  
(6 - 4)/2 = 1  
(8 - 2)/2 = 3

(18)  
125/5 = 25  
48/12 = 4  
24/4 = 6

(19)  
(9 - 3) x 2 = 12  
(15 - 4) x 2 = 22  
(16 - 14) x 2 = 4  
(6 - 2) x 2 = 8

(20)  
(4 + 5) - (1 + 1) = 7  
(5 + 9) - (3 + 4) = 7  
(5 + 5) - 4 = 6

(21)  
9 x 2 x 5 is written as 529 and \sqrt{529} = 23  
1 x 4 x 8 is written as 841 and \sqrt{841} = 29  
So 1 x 6 x 3 is 361 hence \sqrt{361} = 19

(22)  
9 x 2 x 5 is written as 529 and \sqrt{529} = 23  
1 x 4 x 8 is written as 841 and \sqrt{841} = 29  
So 1 x 6 x 3 is 361 hence \sqrt{361} = 19

(23)  
9 x 2 x 3 = 54  
7 x 3 x 2 = 42  
11 x 2 x 7 = 47

(24)
(26+14) × 2 = 80
(5+3) × 2 = 16
(6+5) × 2 = 22
(14+5) × 2 = 38

(25)
(3+5)+(3+1) = 12
(9+2)+(3+0) = 14
(1+5)+(2+4) = 12

(26)
(52-32) × 2 = 40
(22 - 20) × 2 = 4
(15-11) × 2 = 8

(27)
(7 - 1) × 2 = 12
(5 - 4) × 2 = 2
(6 - 4) × 2 = 4
(7 - 4) × 2 = 6

(28)
(15+7) × 2 = 44
(5+9) × 2 = 18
(6+17) × 2 = 42

(35)
% sign stands for x and # sign for ÷
Therefore 12 x 6 / 24 = 3

(37)
(9-7) × 2 = 4
(6-1) × 2 = 10
(7-4) × 2 = 6
(8-2) × 6 = 12

(38)
(2+3) + (3+5) = 13
3 + 5 = 8
4 + (1+3) = 8

(40)
9 ÷ 3 = 3
15 ÷ 3 = 5
60 ÷ 5 = 12
27 ÷ 3 = 9