

**EXAMPLE 1997. CALCULATE INTEGRATE ANGAR POLICE STATION, OUTRAM LINES, GTE NAGAR, NEW DELHI- 09**  
9. (A) As,  

$$32 \Rightarrow 32 + 23 = 55$$
  
 $55 \Rightarrow 55 + 55 = 110$   
Similarly,  
 $68 \Rightarrow 68 + 86 = 154$   
 $154 \Rightarrow 154 + 451 - 605$   
10. (C) gldkr/cldkr/dlkg  
11. (D)  
12. (C) In the first column,  
 $19 + 73 - 61 = 31$   
In the second column,  
 $19 + 73 - 61 = 31$   
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 $19 + 73 - 61 = 31$   
In the second column,  
 $12 + 52 \times 4 = 8 + 6 \times 40 = 217$   
 $25 + 52 \times 4 = 8 + 6 \times 40 = 217$   
 $25 + 208 - 8 + 6 \times 12 = 217$   
 $25 + 208 - 8 + 6 \times 12 = 217$   
 $23 - 16 = 217$   
14. (D) 5. Solitude  $\rightarrow 1$ . Solution  $\rightarrow 2$ . Solvent  $\rightarrow 3$ . Someone  $\rightarrow 6$ . Summon  $\rightarrow 4$ . Surmounted  
15. (C) Let the total number of students in class X = a  
Number of students in class Y = 33  
ATQ.  
 $a + 20 = \frac{3a}{2}$   
 $2a + 40 - 3a$   
 $a = 40$   
Total number of students  $= 40 \times 3 = 120$   
Required  $% = (\frac{20}{120} \times 100) \% = 16\frac{2}{3}\%$   
16. (C)  
17. (B) Angle made by hour hand in bours 10 minutes, i.e.  $\frac{31}{6}$  hours  
 $= (\frac{360}{12} \times \frac{31}{6}) = 155^{\circ}$   
18. (A)  
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**EXAMPLE 1997**  
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From (i) and (ii),  

$$\angle TARE = \angle ARE = x$$
  
Also,  $\angle AEB = x$   
Also,  $\angle AEB = x$   
In triangle AEB,  
 $\angle ZAEB = 4x$   
In triangle AEB,  
 $\angle AEB = -x$   
Now,  $\forall x + 4x = 180^{\circ}$   
 $x + x^{+} 4x = 180^{\circ}$   
 $x + x^{+} 4x = 180^{\circ}$   
 $x = 30^{\circ}$   
Hence,  $\angle COD = 30^{\circ}$   
70. (C) If 59a44b is divisible by 36 then 59a44b must be divisible by 4 and 9.  
We know that a number X is divisible by 4 if number formed by last two digit is divisible by 4.  
Consider 59a44b mumber formed by last two digits = 4b  
If 4b is divisible by 4 then b can take values 0, 4, 8  
Now, We know that a number is divisible by 9, if sum of digits is divisible by 9.  
Take b = 8  
Resultant number = 59a448  
Sum of digits = 5 + 9 + a + 4 + 4 = 8 = 30 + a  
If a = 6  
 $30 + a = 30 + 6 = 36$  and 36 as divisible by 9.  
Hence, Maximum value of 3a + 2 b = 24 + 12 = 36  
71. (A) Selling price of TV =  $5000 \times \frac{100}{10} \times \frac{90}{10} = 45000$   
Marked price of laptop =  $45000 + 15000 = 60000$   
 $\therefore$  Required% =  $\left(\frac{45000}{60000} \times 100\right)$ % = 75%  
72. (C) Total cost price ot all items =  $5000 \times \frac{100}{600} + 40000 + (20000 + 15000) + 40000 \times \frac{140}{70} + (45000 + 15000) + 40000 \times \frac{75}{60}$   
 $= 315000$   
Profit =  $315000 - 197500 = 117500$   
 $\therefore$  Required% =  $\left(\frac{(117500 \times 100)}{197500}\right)$ % = 59.4%  
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## **MEANINGS IN ALPHABETICAL ORDER**

Apathy	lack of interest, enthusiasm, or concern	उदासीनता
Complacent	self-satisfied	आत्मसंतुष्ट
Discrete	individually separate and distinct	अलग
Gloomy	dark or poorly lit	अंधेरा
Grim	forbidding or uninviting	निष्ठुर
Illicit	forbidden by law, rules, or custom	अवैध
Jubilant	feeling or expressing great happiness	प्रसन्नचित
Laudable	(of an action, idea, or goal) deserving praise and	प्रशंसनीय
	commendation	
Paucity	the presence of something only in small or	कमी
	insufficient quantities	
Prodigious	great in extent, size, or degree	बहुत बड़ा
Rectify	put (something) right	संशोधन करना
Reiterate	repeat or say again	दोहराना
Serenity	the state of being calm, peaceful, and untroubled	शांति
Severity	the fact or condition of being severe	तीव्रता
Superiority	the state of being superior	श्रेष्ठता
Vitality	the state of being strong and active	जीवन-शक्ति
Zeal	great energy or enthusiasm in pursuit of a cause	उत्साह
	or an objective	

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## SSC MOCK TEST - 318 (ANSWER KEY)