

**EXAMPLE 1997. GROUND FLOOR OPPOSITE MURRANT REVIEW FLAGAR POLICE STATION, OUTRAM UNRES, GTE MAGAR, NEW DELHI - 99**  

$$\frac{1}{x} = \frac{1}{3+2\sqrt{x}} = \frac{1}{3+2\sqrt{x}} \times \frac{3-2\sqrt{x}}{3-2\sqrt{x}}$$

$$\frac{1}{x} = \frac{3-2\sqrt{x}}{9-8} = 3+2\sqrt{x}$$

$$x + \frac{1}{x} = 3 + 2\sqrt{x} + 3 - 2\sqrt{x}$$

$$x + \frac{1}{x} = 6$$

$$\left(x + \frac{1}{x}\right)^2 = 36$$

$$x^2 + \frac{1}{x^2} + 2 = 36$$

$$\frac{x^2 + \frac{1}{x^2} + 2}{x^2} = x^2 + x + \frac{1}{x} + \frac{1}{x^2}$$

$$= x^2 + \frac{1}{x^2} + x + \frac{1}{x}$$

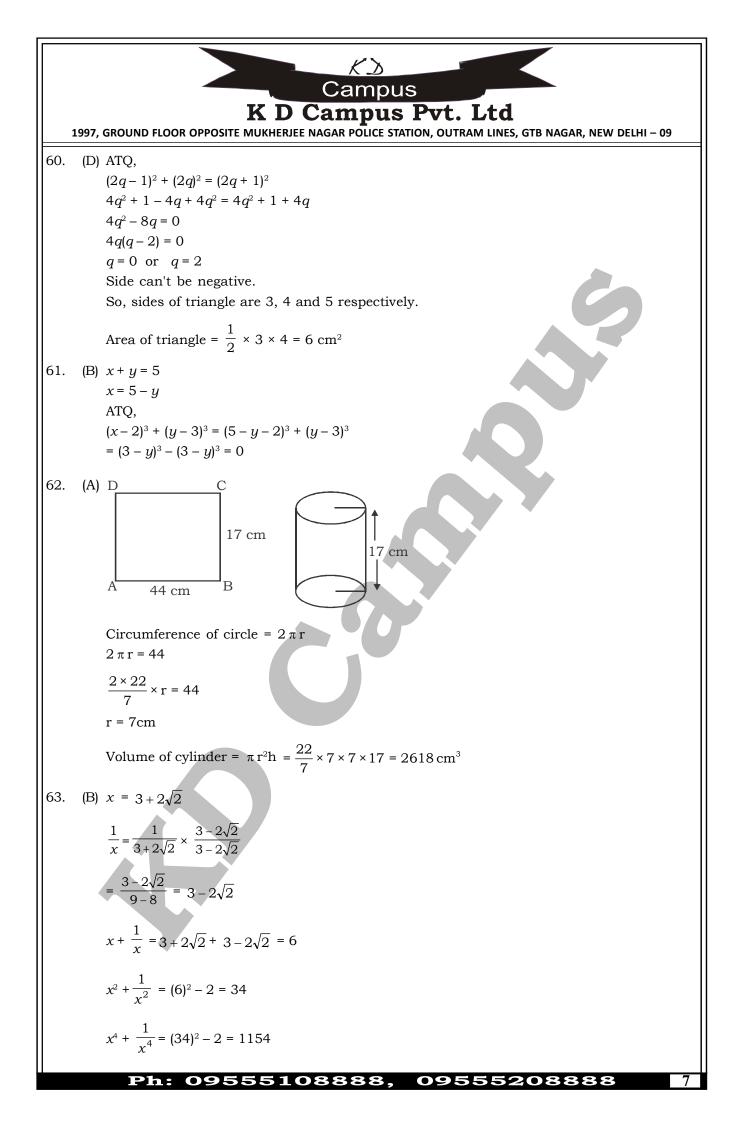
$$= 34 + 6 - 40$$
57. (A) A 24   
B 32   

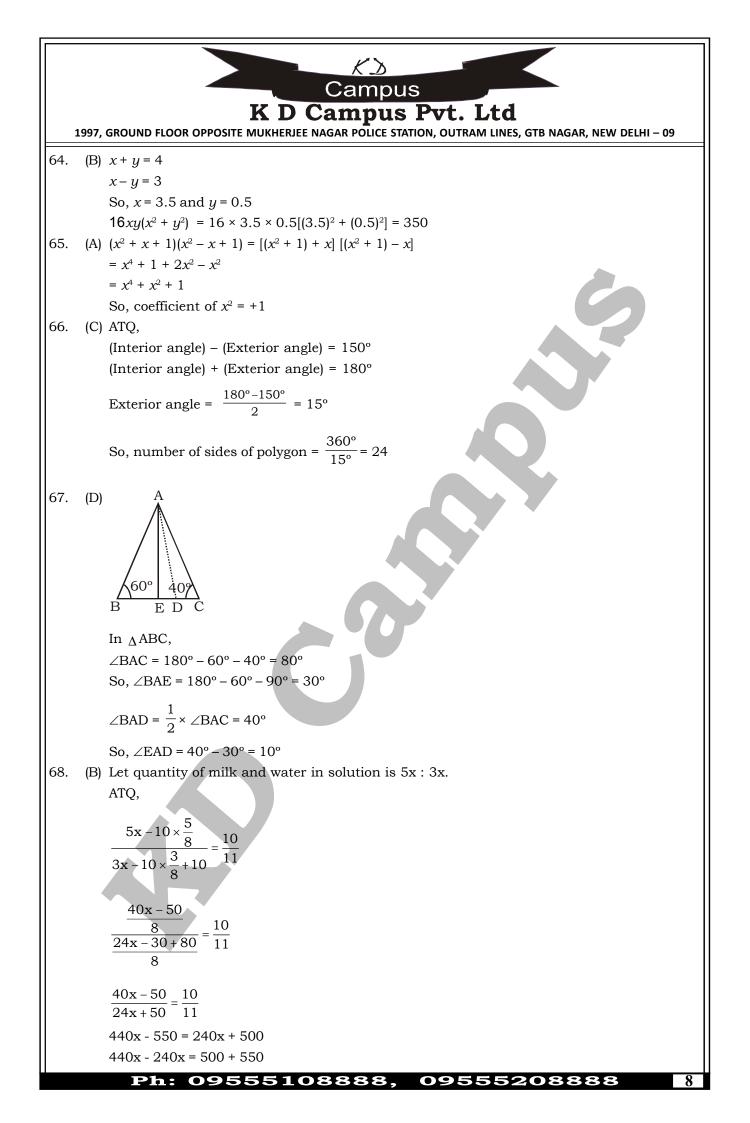
$$= 192 - 6$$
C 64   
57. (A) A 24   
B 32   

$$= 192 - 6$$
C 64   
57. (A) A 24   
B 32   

$$= 192 - 102 - 90$$
Work done by (A + B + C) in first 6 days = 17 × 6 = 102  
Remaining work = 192 - 102 - 90
Work done by (A + B + C) in first 6 days = 17 × 6 = 102  
Remaining work = 192 - 102 - 90
Work done by (B + C) to do 72 work =  $\frac{72}{9} = 8$  days  
Total time for finish the works (6 + 8 + 6) = 20 days  
58. (D) M.D.  $\frac{M_2D_2}{W_1 - W_2}$ 

$$\frac{230 \times 12}{2} = \frac{M_2 \times 25}{(7-2)}$$
M. = 300  
More worker inceded - 300 - 250 - 50  
59. (A) Perimeter of thombus = 140 cm  
Side of thombus =  $\frac{140}{4} = 35 \text{ cm}$ 
ATQ,  
 $x \times 35 = 42$ 
 $x = \frac{42}{35} = 1.2 \text{ cm}$ 





**EXAMPLE 1050**  
**EXAMPLE 1050**  
200x = 1050  

$$x = \frac{1050}{200} = 5.25$$
  
Total quantity of solution - 5x + 3x = 8x  
= 8 × 5.25 = 42 litres  
69. (C) Marked Price - 7 800  
Cost Price = ₹ 612  
Percentage Discount  
 $-\left(1 - \frac{612}{800} \times \frac{100}{90}\right) \times 100 - (1 - 0.85) \times 100 - 15\%$   
70. (B) Selling price of first TV = ₹ 3450  
Profit earned on first TV = ₹ 0.3450  
Profit earned on first TV = 100s on second TV  
 $- 3450 \times \frac{15}{115} = ₹ 450$   
Percentage loss = 10%  
Cost price of second TV -  $450 \times \frac{100}{10} - ₹ 4500$   
71. (D) Students failed in both subjects = 100 - (60 + 55 - 50) = 35%  
Student failed = 70  
Total number of students =  $70 \times \frac{100}{35} = 200$   
72. (C) Required percentage  $= \frac{24 - 8}{8} \times 100 = 200\%$   
73. (A) Required difference - 1875 × [24 - 16] ×  $\frac{1}{100} = 150$   
74. (D) Sectorial angle  $-\frac{32}{100} \times 360^\circ = 115.2^\circ$   
75. (A)

9

Campus K D Campus Pvt. Ltd 1997, GROUND FLOOR OPPOSITE MUKHERJEE NAGAR POLICE STATION, OUTRAM LINES, GTB NAGAR, NEW DELHI – 09

## **MEANINGS IN ALPHABETICAL ORDER**

Alimony	a husband's or wife's court-ordered provision	गुजारा-भत्ता	
	for a spouse after separation or divorce		
Aromatic	having a pleasant and distinctive smell	सुगन्धित	
Assassin	a murderer of an important person in a	हत्यारा	
	surprise attack for political or religious reasons		
Befit	be appropriate for	के अनुकूल	
Clad	clothed	कपड़े पहने हुए	
Commensurate	corresponding in size or degree; in proportion (किसी वस्तु) के अनुरूप		
Condole	express sympathy for (someone) दुःख में हमदर्री दिखाना		
Console	comfort (someone) at a time of grief	सांत्वना देना	
	or disappointment		
Fable	a short story, typically with animals as	जानवरों के किरदारों वाली एक नीति	
	characters, conveying a moral	कथा	
Fiasco	a complete failure असफलता		
Kleptomaniac	a person who cannot control their desire	वह व्यक्ति जो आमतौर पर अपनी	
	to steal things, usually because of a	चिकित्सीय स्थिति के कारण चीज़ों	
	medical condition	को चोरी करने की अपनी इच्छा	
		को नियंत्रित नहीं कर सकता हो	
Optometrist	A person who has a profession of	आँँखों के लिए लेंस बनाने वाला	
	examining the eyes for visual defects		
	and prescribing corrective lenses		
Pantheist	one who practice a doctrine that equates	वह ब्रह्मांड की शक्तियों और उसके	
	God with the forces and laws of the universe	को भगवान मानता है	
Parsimony	extreme unwillingness to spend money or	मितव्ययिता	
	use resources		
Pedantic	showing much knowledge	पांडित्य पूर्ण	
Perennial	lasting or existing for a long or apparently	चिरस्थायी	
	infinite time		
Philanderer	a man who readily or frequently enters into	स्त्री लोलुप	
	casual sexual relationships with women		
Rhetoric	the art of effective or persuasive speaking	वाकपटु	
	or writing		
Tart	sharp or acid in taste	खट्टा	
Verbatim	in exactly the same words যাত্রেয়:		

10

Campus

**K D Campus Pvt. Ltd** 1997, ground floor opposite mukherjee nagar police station, outram lines, gtb nagar, new delhi – 09

## SSC MOCK TEST - 277 (ANSWER KEY)

1.       (D)         2.       (A)         3.       (D)         4.       (C)         5.       (D)         6.       (D)         7.       (C)         8.       (A)         9.       (B)         10.       (C)         11.       (C)         12.       (D)         13.       (D)         14.       (A)         15.       (C)         16.       (C)         17.       (C)         18.       (A)         19.       (A)         20.       (B)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	76. (D) 77. (A) 78. (A) 79. (D) 80. (C) 81. (B) 82. (D) 83. (D) 84. (C) 85. (C) 86. (C) 87. (C) 88. (B) 89. (C) 90. (B) 91. (C) 92. (A) 93. (C) 94. (B) 95. (B)
18. (A)	43. (C)	68. (B)	93. (C)
20. (B)	45. (A)	70. (B)	95. (B)
21. (A) 22. (C)	46. (C) 47. (D)	71. (D) 72. (C)	96. (C) 97. (B)
23. (C) 24. (C)	48. (A) 49. (D)	73. (A) 74. (D)	98. (C) 99. (C)
25. (A)	50. (C)	75. (A)	100. (A)

- 76. (D) No error
- 77. (A) 'Bacteria' is a plural noun, hence it is followed by a plural verb. Change 'is' into 'are'.
- 86. (C) Verb 'prefer' is followed by 'to'.
- 87. (C) No improvement. 'Taxes' is Third Person Plural Noun, therefore, 'they' should be used for it.
- 90. (B) The correct spelling of 'Optomatrist' is 'Optometrist'.
- 91. (B) The correct spelling of 'Perenial' is 'Perennial'.

11