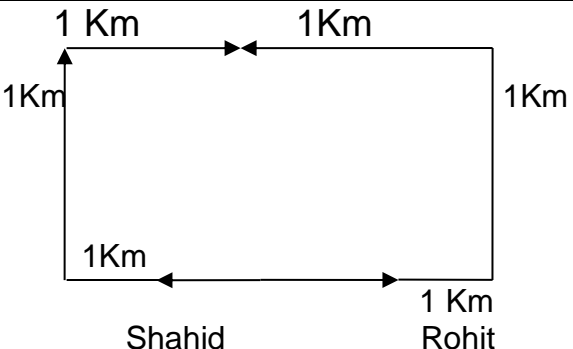
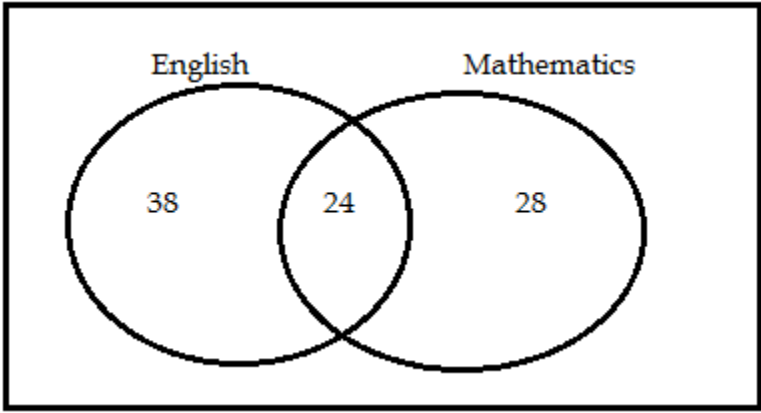
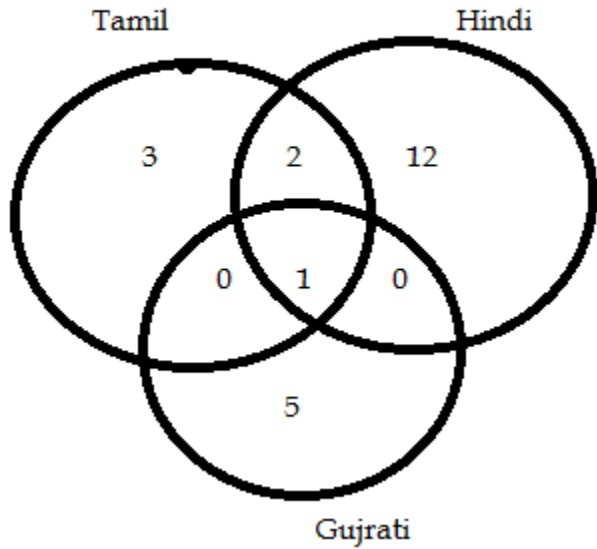


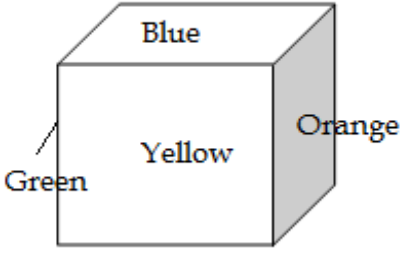
UPSC Prelim-2015
CSAT Paper-II (C-Series) Answers with Explanation

Q. No.	Ans.	Explanation
1	A	
2	D	
3	C	
4	B	
5	C	
6	D	
7	C	
8	B	
9	B	
10	C	
11	C	$N(A \cup B \cup C) = 45 + 55 + 40 - 30 - 15 - 25 + 10 = 80$ $\therefore N(A \cup B \cup C) = 100 - 80 = 20$
12	D	
13	B	 <p>After Travelling 3 Km each both meets.</p>
14	A	In unit time when A travels = 500 metres B travels = 420 metres \therefore Ratio of their speeds = 500 : 420 = 25:21
15	A	$(\frac{1}{3} + \frac{1}{4}) : (\frac{2}{3} + \frac{3}{4})$
16	A	

		 <p>∴ The number of student who passed finally = $130 - (38 + 24 + 28)$ $= 130 - 90 = 40$</p>
17	C	 <p>The Nos of Persons = $3 + 2 + 12 + 5 = 23$</p>
18	C	<p>Let the number of case be x and scooters be y</p> $4x + 2y = 2(x + y) + 100$ $4x + 2y = 2x + 2y + 100$ $2x = 100$ $x = 50$
19	C	
20	D	
21	A	
22	D	
23	B	
24	C	

25	C	
26	A	
27	A	
28	D	
29	D	
30	A	Every month the expenditure is fixed 2400 ∴ Expected consumption = $\frac{2400}{80} = 30$
31	A	
32	A	
33	C	
34	D	
35	B	Let he attempted x Questions more ∴ Total questions = 8+x 50% of 8 = 40% of (8+x) From here get value of x and add it to 8 to get total nos of questions
36	D	Let son's age be x Fathers age = 9x Mothers age = 8x ∴ 9x+8x=51 17x=51 X=3 ∴ Son's age = 3 years
37	C	
38	A	
39	A	
40	B	
41	D	
42	D	
43	A	
44	A	
45	C	
46	A	
47	A	
48	C	

49	C	Task-I (Person 1 or2) Task-II Assigned to (Person 3or4) Task-III Task-IV Task-V Revised answer = $L3 \times 4 = 24$								
50	A	Let Income of Peter and Paul be $4x$ & $3x$ and their expenditure by $3y$ & $2y$ $4x - 3y = 6000$ 1...x2 $3x - 2y = 6000$ 2...x3 $+x = +6000$ \therefore Income of Peter & Paul = 24000×18000								
51	B	Average Speed = $\frac{2 \times 40 \times 60}{60 + 40} = 48 \text{Km/hr}$								
52	B									
53	A									
54	C	Here factorize 24 which is 6×4 now if 6 are boys and 4 girls then total handshakes among boys and girls = $6 \times 4 = 24$ Boys will hug among themselves = $5 + 4 + 3 + 2 + 1 = 15$ Girls will hug among themselves = $3 + 2 + 1 = 6$ \therefore Total hug = $15 + 6 = 21$ ways								
55	D	Shabnam \longrightarrow Marathi Anil \longrightarrow Tamil Then either Rekha or David speaks either Marathi or Tamil and both drives car thus option D is correct.								
56	D									
57	D									
58	B	<table style="display: inline-table; vertical-align: middle;"> <tr> <td>Fighters</td> <td>Cowards</td> </tr> <tr> <td>A</td> <td>C</td> </tr> <tr> <td>E</td> <td>D</td> </tr> <tr> <td>F</td> <td>B</td> </tr> </table>	Fighters	Cowards	A	C	E	D	F	B
Fighters	Cowards									
A	C									
E	D									
F	B									
59	B	White Marbles = 10 Red Marbles = 13 Green Marbles = 5 \therefore Total Marbles = 28								
60	C	Let total be 100 \therefore Men = 60 Women = 40 Men Qualified $\frac{70 \times 60}{100} = 42$ Women Qualified $\frac{75 \times 40}{100} = 30$								

		<p>Final result of Men $\frac{80 \times 42}{100} = \frac{168}{5} = 33.6$</p> <p>Final result of Women $\frac{70 \times 30}{100} = 21$</p> <p>∴ Men's final result is more than women</p>
61	B	
62	D	
63	C	
64	B	
65	B	
66	D	
67	B	
68	D	<p><u>Principal</u> <u>V.P</u></p> <p style="text-align: center;">$\frac{1}{2}$</p> <p>$2C_1 \times 5C_2$</p> <p>$\frac{L2}{L1 \times L2} \times \frac{L5}{L3 \times L2}$</p> <p>$1 \times \frac{120}{6} = 20$</p>
69	C	<p>$\frac{4C_2 + 2C_2}{L4} + \frac{L2}{L0 \times L2}$</p> <p>$\frac{24}{4} + 1 = 7$</p>
70	D	<p>Let the price of brown pair be 2x and black pair be 3x</p> <p>Now if we purchase 25 pair of brown socks and 5 pairs of black socks as given then actual bill = 25Xx + 5 X3 x</p> <p style="text-align: center;">= 25Xx + 5 x = 40 x</p> <p>But if its interchanged then false bill = 25x3 x + 5Xx = 80 x</p> <p>∴ Rise will be of 100 %,</p> <p>so original pairs of brown socks = 25</p>
71		
72	A	
73	B	<p>$\frac{20 \times 30}{(20 + 30)} = \frac{600}{50} = 12 \text{ Mins}$</p>
74	C	<p>From the statements 1 and 3 we can conclude O is opposite to G.</p> <div style="text-align: center;">  </div>

75	D	
76	D	
77	C	
78	C	
79	C	<p>Money spend by family A on food = $\frac{50}{100} \times 20000 = 10,000$</p> <p>Money spent by family B on food = $\frac{10}{100} \times 100000 = 10,000$</p> <p>Both are same</p>
80	B	<p>USHA > KAMALA</p> <p>SWATI > PRITI</p> <p>KAMAL > SWATI</p> <p>∴ USHA > KAMALA > SWATI > PRITI</p>