## Venn Diagram, Comparison, Symbol and Notation

1.	In ar	examination 70	% ca	ndidat	es passed i	n Eng	glish	and 6	5% in
	Math	ematics. If 27% ca	andida	ite fail	in both the	subje	ct and	d 248	passed
	the examination. The total number of candidates was :								
	A. 40	0	B. 34	8	C. 420	)		D. 48	4
2.	In a	class consisting of	f 100	studen	ts, 20 know	/ Engl	ish ar	nd 20	do not
	know Hindi and 10 know neither English nor Hindi. The numb								ber of
	students knowing both Hindi and English is :								
	A. 10		B. 9		C. 12			D. 8	
Directions for questions 3 to 5: These questions are based on the following									
information given below.									
Six boys - Vicky, Nicky, Chicky, Ricky, Dicky and Micky are comparing their									
heights. We have the following information about their heights.									
(i)	Only	one boy is taller th	ıan Vic	cky.					
(ii)	Nicky is taller than only one boy.								
(iii)	The r	number of boys sh	orter	than C	Chicky is the	same	as th	ne num	iber of
	boys	taller than Ricky.							
(iv)	No tw	o boys are of the s	same l	neight.					
(v)	Dicky is shorter than Micky, who in turn is shorter than Ricky.								
3.	How	many boys are tall	er tha	n Chicl	kv ?				
<b>J.</b>	(1)	5	.01 0110	(2)	4		(3)	3	
	(4)	2		. ,	None of the	se	(-)		
4.			the fourth shortest boy ?						
	(1)	Micky	(2)	Dicky		(3)	Chicl	ΧУ	(4)
	Ricky	-	(5)	Vicky				-	
5.	-	oy, who is taller th	. ,	•		an Mic	ky, is		
	(1)	Chicky		-	Dicky		(3)	Ricky	,
	(4)	Vicky		(5)	Cannot be d	leterm	ined		

**Directions for questions 6 and 7**: These questions are based on the following information.

J,K,L,M,N and P scored different marks in an exam. L scored more than only two other persons. K scored less than L but is not the least scorer. J scored less than only one other person. P scored neither the highest nor the least marks. K and M scored 35 and 60 marks, respectively.

than	only	one other pe	rson.	P scor	ed nei	ither t	he hig	hest n	or the	least	marks.
K and M scored 35 and 60 marks, respectively.											
6.	If P s	If P scored 45 marks, then the marks scored by J can be									
	(1)	40	(2)	25		(3)	65	(4)	50		
7.	If L s	scored 40 m	arks, t	hen n	narks s	scored	by th	e pers	son wh	o sco	red the
	high	highest and L together are									
	(1)	90	(2)	110		(3)	120	(4)	100		
8.	Whic	Which of the following symbols should replace the question mark in the									
	giver	n expression	in oi	rder t	o mak	the	expre	ssions	s 'B≤C	' and	'D≥E'
definitely true ?											
	$F \ge B \le E ? A \le C = D$										
		<									
9.	In Whi	ich of the foll	lowing	gexpr	ession	s the e	xpress	sions '	S ≥U'a	and 'F	R≤Q'
	are definitely false ?										
		$(1)  P < Q \ge R \le S = T \ge U$									
		$S \ge P - Q$									
10.	If '+	If '+' means '-', '-' means 'x', 'x' means '\ddot' and '\ddot' means '+', then find the									
	value	value of the expression									
	25+32×2÷3-8.										
	` '	64		(B)	96		(C)	33		(D)	22
11.											
	$8 \times 2 \times 5 = 58 \times 7 \times 1 = ?$										
	(A)	14		(B)	12		(C)	13		(D)	16
12.	If A \	$\neq B = A^2 + AB$	$B - B^2 +$	+ 1, th	en 9 ∀	11 = ?					
	(A)	80		(B)	60		(C)	70		(D)	90
13.	If × (		+ xy +	y, the	n 8 @	6 = ?					
	(A)	148		(B)	158		(C)	154		(D)	250