

DI MIXED - 1

DIRECTIONS for Questions 1 to 5: Answer the questions on the basis of the information given below.

In an organization, the salary components of four employees viz S, Y, M and V are shown below. The salary consists of four parts - Basic, DA, HRA and Bonus. HRA depends upon employee's city of residence and bonus depends upon the percentage of sales targets achieved by the employees. Table - I shows the detail of basic and DA of the four employees. Each employee resides in a city of a different class as shown in the Table - III and earns a different amount in bonus as shown in the Table - II

Table - I

Employees	Basic (in Its.)	DA as % of Basic
S	10000	40
Υ	12000	35
M	8000	30
V	12000	25

Table - II

Sales target achieved	Bonus (Rs.)
100%	10000
90%	8000
80%	6000
70%	5000

Table - III

Class of City	HRA(Rs.)
Metro	7000
Α	5000
В	4000
С	2000

- S lives in Delhi and has achieved the lowest percentage sales target.
- Y lives in Pune and M lives in Raipur.
- V lives in Bokaro and has achieved a lower percentage sales target than that achieved by Y. She gets Rs. 8000 in Bonus.
- Delhi is a Metro class city, Pune is a B class city and Bokaro is a C class city.
- Total tax on the salary = 30% of Basic + 20% of HRA + 10% of Bonus. DA is exempted from tax.
- 1. What is the salary of V?
 - a) Rs. 25000
- b) Rs. 20000
- c) Rs. 32000
- d) Rs. 26000
- e) Rs. 21400

- 2. What is the total tax on the salary of S?
 - a) Rs. 5100
- b) Rs. 5400
- c) Rs. 4000
- d) Rs. 4800
- e) Rs. 4900
- 3. The total tax on Y's salary is approximately what percent of his salary?
 - a) 20%
- b) 18%
- c) 15%
- d) 22%
- e) 25%
- 4. The DA component of M's salary is what percent of the HRA component of his salary?
 - a) 60%
- b) 50%
- c) 55%
- d) 48%
- e) 75%
- 5. For which of the employees, tax as a percentage of salary is the highest?
 - a) S
- b) Y
- c) M
- d) V
- e) Both V and Y

DIRECTIONS for Questions 6 to 10: Answer the questions on the basis of the information given below.

Eight cabinet ministers A, B, C, D, E, F, G and H from India visited one or more than one out of the six different countries Germany (GER), Russia (RUS), USA (USA), Brazil (BRZ), Pakistan (PAK) and Chile (CHI) in the year 2007. If any of the given cabinet ministers visited a country, it was said to be one "Visit" by that cabinet minister to that particular country. The maximum and the minimum possible number of visits by any of the given cabinet ministers to any of these given countries were six and two respectively. The given table provides details about the number of "Visits" to each of the given countries.



Each of the given countries was visited by five different cabinet ministers. The following table also lists down the different cabinet ministers that visited each of the given countries.

	Total number of visits	Cabinet Ministers				
GER	10	Н	D	В	Е	С
RUS	27	Α	F	G	D	Н
USA	19	F	В	С	А	G
BRZ	13	G	А	F	С	Е
PAK	18	Н	С	В	A	D
СНІ	28	В	D	E	G	Н

	PAK	18	Н	С	В	А	D	
	CHI	28	В	D	Е	G	Н	
6.		out of the given cabinet minth than C in the year 2007? b) One c)	sters have visite		of countries than	E but lesser r	number of	
The	Additional Information for questions 7 and 8: The prime minister formed distinct groups such that each group had three of the given cabinet ministers, out of which one was G. Also, there were at least two countries which have been visited by all the cabinet ministers in the group.							
7.	The total in a) Five	number of groups formed by b) Six c)			Three			
8.		e ratio of the number of grou coups in which the countries t b) 1 : 4 c)	nat have been vi	sited by all the ca			ministers is	
9.	The total ra) 19	number of `Visits" by C in the b) 20 c)	year 2007 could 18 d)					
10.	The total r a) 12	number of "Visits" by D in the b) 11 c)	year 2007 could 10 d)					

DIRECTIONS for Questions 11 to 14: Answer the questions on the basis of the information given below.

ABC College has junior, Senior and Post Graduation (PG) sections. The total number of students studying in the college is 1000.

11. If the number of boys in Senior and PG sections combined is not less than the number of girls in these two sections combined. Then what is the maximum possible number of students in the senior section?

	Boys	Girls	Percentage
Junior	450		
Senior			
PG			10
Percentage		40	

12. If the ratio of b	oys to girls in the j	unior section is	one third of that i	n the other two sections	combined, then the ratio
of boys to girls	s in the PG section	cannot be:			
a) 3:2	b) 17 : 3	c) 7:3	d) 11 : 9	e) 13 : 7	

d) 196

e) 201

13. In the month of December, the college organizes a sports event. 10% of boys from the senior section and 20% of girls from the junior section participate in the event. If the number of girls in the senior section is 90 and if 'n' stands for the number of participants in the sports event, then which of the following statements is true?

a)	57 ≤ n ≤ 62	b) 57 ≤ n ≤ 67	c) 55 ≤ n ≤
d)	$50 \le n \le 62$	e) None of these	

b) 210

14. In the month of April, exams were conducted. The number of boys who passed the exam exceeds the number of girls who passed the exam by 60. x% of boys pass the exam and (x + 15)% of girls passed the exam. How many students in all failed the exam?

a) 220 b) 660 c) 300 d) 340 e) CBD

c) 200

a) 199



DIRECTIONS for Questions 15 to 19: Answer the questions on the basis of the information given below.

Two traders, Chetan and Michael, were involved in the buying and selling of MCS shares over five trading days. At the beginning of the first day, the MCS share was priced at Rs 100, while at the end of the fifth day it was priced at Rs 110. At the end of each day, the MCS share price either went up by Rs 10, or else, it came down by Rs 10. Both Chetan and es ed

day and ove 1)	was the same as the lamount of cash, and rethe five trading day Each day if the price the price went down	e ending price of ad had enough of /s. e went up, Chetan, he bought 10 soosing price was a	the previous day both. Below are n sold 10 share hares at the clo above Rs 110, t	y. Chetan and I e some addition s of MCS at the sing price.	Michael started nal facts about e closing price.	g price of MCS share on a given with the same number of shares how Chetan and Michael traded On the other hand, each day if MCS, while if it was below Rs
15.	If Chetan sold 10 sh five days, what was				Michael sold 10	shares only once during the
	a. Rs 90	b. Rs 100	c. Rs 1	•	d. Rs 120	e. Rs 130
16.	If Chetan ended up the end of day 4?	with Rs 1300 mc	ore cash than M	ichael at the en	d of day 5, wha	t was the price of MCS share at
	a. Rs 90	b. Rs 100	c. Rs 1	10	d. Rs 120	e. Not uniquely determinable
17.	If Michael ended up end of day 3?	with 20 more sh	ares than Cheta	an at the end of	day 5, what wa	as the price of the share at the
	a. Rs 90	b. Rs 100	c. Rs 1	10	d. Rs 120	e. Rs 130
	of shares possesse a. Michael had 10 le b. Michael had 10 n c. Chetan had 10 m d. Chetan had 20 m e. Both had the san	d by Michael and ess shares than (nore shares than lore shares than lore shares than nore shares than ne number of shares	I Chetan (at the Chetan. Chetan. Michael, Michael. Ires.	end of day 5)?	·	vas the difference in the number
19.	What could have be end of the fifth day?		n possible increa	ase in combined	d cash balance	of Chetan and Michael at the
	a. Rs 3700	b. Rs 4000	c. Rs 4	700	d. Rs 5000	e. Rs 6000
test	had 25 questions w	rith 4 marks awar	ded for every co	orrect answer a	nd 1 mark dedu	nent of trainee managers. The liced for every wrong answer. It number of questions.
20.	If Aman, Ajit and Alescored?	ok scored equal r	marks in the tes	t, then what cou	uld be the maxi	mum marks they could have
	a) 70	b) 68	c) 55	d) 60	e) 63	
21.	What can be the maa) 1	aximum number o b) 3	of students who c) 4	got a total scor d) 5	re of 20? e) 6	
22.	How many students a) 270	at the most can b) 276	get a non-nega c) 250	tive score? d) 244	e) 326	
23	Ram and Raiu score	ed egual marks ii	n the test Raiu	said to Ram "If	you would have	attempted one more guestion

then your score would be unique". Which of the following can be their initial score? a) 83 b) 70 c) 68 d) 63 e) 65

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