Date Interpretation Table Chart Questions for Bank PO Exams.

DI Table Chart Quiz 42

Direction: Study the following table carefully and answer the questions based on it.
A company Airtel Limited arranges a training programme for its employees from Marketing, Finance and HRD Departments. Each participant is awarded a grade at the end of the training programme.

The total number of employees of the Finance Department participating in the programme is twice the number of candidate of HRD Department who have secured 'Above Average' grade. The total number of candidates who have obtained 'Average grade', is six times the number of candidates of the Marketing Department who have obtained 'Excellent' grade and the number of candidates of the HRD Department with 'Above Average' grade is 1/3rd the total number of candidates of the HRD Department. Your superior has given you an incomplete chart to be completed.

Class	GRADES				
	Excellent	Very Good	Above Average	Average	Total
Marketing	6		32		
HRD	2	5			48
Finance		7			
Total	13	31			137

1. The total number of employees getting an Above Average grade is:

A. 57　　　　　　　B. 58　　　　　　　C. 55　　　　　　　D. Can't be determined　　　E. None of these

2. The least number of employees getting 'Average' grade, are from

A. Marketing Department　　　　B. Finance Department　　　　C. HRD Department
D. HRD and Finance Department　　E. None of these

3. The number of employees of the HRD Department getting 'Above Average' grade form approximately what percent of the total number of employees participating in the programme?

A. 10%　　　　　　B. 15%　　　　　　C. 9%　　　　　　D. 12 %　　　　　E. None of these

4. The company Airtel is charged Rs. 5,570/ - per employee towards the cost of training. If it is offered a discount of 7.5% to those candidates who secured 'Average' grade, them, what is the total fee payable by company Airtel to the training company, to the nearest thousand?

A. Rs. 7,49,000　　　B. Rs. 7,47,000　　　C. Rs. 7,48,000　　　D. Rs. 7,45,000　　　E. None of these

5. The number of employees of the Marketing Department getting 'Above Average' grade form what percent of the total number of employees participating in the programme?

A. 15%　　　　　　B. 23.36%　　　　　　C. 9%　　　　　　D. 18.25%　　　　　E. None of these

Correct Answers:

1	2	3	4	5
A	A	D	C	B

Common Explanations:

Number of HRD employees given an above average grade = 1/3rd of the total number of employees in HRD
∴ Number of employees from HRD given an above average grade = (1/3) × 48 = 16

Total number of employees given an average grade = 6 × Number of employees from Marketing department given an Excellent grade

∴ Total number of Average grade employees = 6 × 6 = 36
Total number of participating employees from Finance Department = 2 × Number of above average grade employees from HRD

∴ Total number of participating employees from the Finance Department = 2 × 16 = 32
Total Number of participating employees = (Number of Excellent grade employees) + (Number of Very good grade employees) + (Number of above Average grade employees) + (Number of Average grade employees)

∴ 137 = 13 + 31 + Number of above average grade employees + 36
∴ Total number of above average grade employees = 57

Total number of excellent grade employees = Sum of the number of Excellent grade employees from Marketing, HRD and Finance department

Doing the above for each grade we get.
Number of excellent grade employees in Finance department = 15
Number of very good grade employees in Marketing department = 19
Number of above average grade employees in Finance department = 9
Total number of participants = sum of the number of participants from all branches
∴   137 = Number of employees in Marketing department + 48 + 32
∴ Total number of employees in Marketing department = 57

Number of Excellent + very good + above average + average employees in every department = Total number of participating employees in respective department

From this, we get that the average grade employees in Marketing, HRD and Finance Departments are 0, 25 and 11 respectively.

From the above information, we complete the table as follows

Class	GRADES				
	Excellent	Very Good	Above Average	Average	Total
Marketing	6	19	32	0	57
HRD	2	5	16	25	48
Finance	5	7	9	11	32
Total	**13**	**31**	**57**	36	**137**

Answers :

1. From the following explanation, we get the table as follows

Class	GRADES				
	Excellent	Very Good	Above Average	Average	Total
Marketing	6	19	32	0	57
HRD	2	5	16	25	48
Finance	5	7	9	11	32
Total	**13**	**31**	**57**	36	**137**

From the above table, we get

∴ Total number of above average grade employees = 57

Hence, option A is correct.

2. From the following explanation, we get the table as follows

Class	GRADES				
	Excellent	Very Good	Above Average	Average	Total
Marketing	6	19	32	0	57
HRD	2	5	16	25	48
Finance	5	7	9	11	32
Total	**13**	**31**	**57**	36	**137**

From the above table, we get

∴ Marketing department has the least number of Average grade Employees.

Hence, option A is correct.

3. From the following explanation, we get the table as follows

Class	GRADES				
	Excellent	Very Good	Above Average	Average	Total
Marketing	6	19	32	0	57
HRD	2	5	16	25	48
Finance	5	7	9	11	32
Total	**13**	**31**	**57**	36	**137**

From the above table, we get

∴ % out of total number of participating employees = (16/137) × 100

∴ required % = 11.678 ≈ 12 %

Hence, option D is correct.

4. From the following explanation, we get the table as follows

Class	GRADES				
	Excellent	Very Good	Above Average	Average	Total
Marketing	6	19	32	0	57
HRD	2	5	16	25	48
Finance	5	7	9	11	32
Total	**13**	**31**	**57**	36	**137**

From the above table, we get

Total number of Average grade employees in Airtel = 0 + 25 + 11 = 36

Number of employees from Airtel getting a grade except Average grade = 137 − 36 = 101

∴ Total cost payable = 36 × discounted amount + 101 × 5570

∴ Total cost payable = 36 × 5152.25 + 101 × 5570

∴ Total cost payable = 1,85,481 + 5,62,570 = 7,48,051

∴ The payable cost rounded to the nearest thousand is Rs .7,48,000

Hence, option C is correct.

5. From the following explanation, we get the table as follows

Class	GRADES				
	Excellent	Very Good	Above Average	Average	Total
Marketing	6	19	32	0	57
HRD	2	5	16	25	48
Finance	5	7	9	11	32
Total	**13**	**31**	**57**	36	**137**

From the above table, we get

Number of employees from Marketing Department getting an above average grade = 32

∴ % out of total number of participating employees = (32/137) × 100

∴ Required % = 23.36%

Hence, option B is correct.