

Directions (1-5): This data is regarding total number of employees working in Administration (admin), Operations (Ops.) and other departments of corporate divisions of Companies A and B.

The total number of employees working in both the companies together is 4800. The respective ratio of number of employees in Companies A and B is 5 : 7. Each employee works in only one of the 3 Departments

i.e. "ops", "Admin" and "others".

In company A, 70% of the total employees are males. 60% of the total male employees work in 'Ops' out of the remaining male employees, $\frac{1}{8}$ th work in 'Admin'. Out of the total female employees, 24%

work in 'Admin' and 58th of the remaining female employees work in 'Ops'.

In company B, 80% of the total employees are males. 65% of the total male employees work in 'Ops'. Number of male employees who work in other departments in Company B is 20% more than the male employees who work in 'Other Departments' in company A. Number of female employees who work in Ops in Company B are less than the number of male employees who work for 'Ops' in the same company by 75%. Out of the remaining female employees, 1/4 work in 'Admin'.

Q1. What per cent of the total number of male employees in company A work in 'other' departments?

(a) 45

(b) 25

(c) 30

(d) 35

(e) 40



Q2. What per cent the department?	total number of female emp	ployees in company B work in a	dministration
(a) 18.5	(b) 8.75	(c) 14	
(d) 16	(e) 19		
Q3. What is the total together?	number of female employe	es who work on Ops in Comp	any A and B
(a) 681	(b) 781	(c) 689	
(d) 649	(e) 788		
Q4. What is the differe	nce between the average nu	nber of males working in 'Admi	n' in both the
companies together an companies together?	d average number of fema	es working 'Other Departments	s' in both the
(a) 26	(b) 36	(c) 16	
(d) 24	(e) 14		



Q5. In company B, what is the respective ratio between the total number of employees (both male and female) who work in 'Admin' and the total number of employees (both male and female) who work in 'Other Department' in the same company?

(a) 2:3

(b) 1:3

(c) 1:4

(d) 3:5

(e) 1:5

Solution(1-5):

For company A, Total = 2000

	Male (1400)	Female (600)
Ops	840	285
Admin	70	144
Other	490	171

For Company B –, Total = 2800

	Male (2240)	Female (560)
Ops	1456	364
Admin	196	49
Other	588	147



S1. Ans.(d)

Sol. Required
$$\% = \frac{1400}{1400} \times 100 = 35\%$$

S2. Ans.(b)

Sol.Required
$$\% = \frac{560}{49} \times 100 = 8.75\%$$

S3. Ans.(d)

S4. Ans.(a)

Sol. Required difference =
$$171+147 - 70+196$$

$$= 159 - 133$$

$$= 26$$

S5. Ans.(b)

$$= 245 \cdot 73\overline{5}$$

$$= 1:3$$



Directions (6-10): Study the table and answer the given questions.

Data related to Human Resource Dept. of a multinational company (X) which has 145 offices across 8 countries.

			Respective Ratio of male	
Countries	Offices	Total Employees		% of post graduate
			& female employees	
A	16	2568	5:7	75
В	18	2880	11:5	65
С	14	2310	10:11	40
D	22	3575	3:2	60
Е	13	2054	7:6	50
F	17	2788	20:21	75
G	24	3720	8:7	55
Н	21	3360	8:6	80

Q6. The number of male post graduate employees in country H is 1800. If number of female post graduates increase by 50% in the next year, what % of female employees in that particular country is post graduate? (Given that all other data remain same)

(a) 76.8%

(b) 74%

(c) 92.5%



(d) 90%	(e) 80%	
Q7. In which country, is the pe & female) is ranked third lower	ercentage of women employees to est?	number of employees (both male
(a) E	(b) B	(c) H
(d)F	(e) A	
Q8. What is the ratio between total number of post graduate	total number of male employees in employees in same countries?	n countries B and H together and
(a) 76:65	(b) 86:85	(c) 75 : 76
(d)65:76	(e)12:33	
	ween average number of post grad	_ ·
and D together and average n	imber of post graduate employees	in countries F, G and H together
(a) 294	(b) 282	(c) 284
(d) 280	(e) 200	
Q10. Which country has the 2n	d highest number of average empl	oyees per office?
(a) D	(b) H	(c) G
(d) A	(e) F	



S6. Ans.(c)

Sol.

Graduate =
$$3360 \times {}^{4} = 2688$$

Female employee =
$$3360 \times 6 = 1440$$

14

Female graduate next year = $888 \times 3 = 1332$

2

% of female graduate =
1332
 × 100 = 92.5 %

1440

S7. Ans.(c)

Sol.

$$A \Rightarrow \frac{7}{1} \times 100 = 58.34\%$$

$$12$$

$$\frac{1}{1}$$

$$C \Rightarrow \frac{1}{1} \times 100 = 52.4\%$$

$$E \Rightarrow \frac{6}{1} \times 100 = 46.15\%$$

$$B \Rightarrow \frac{1}{6} \times 100 = 31.25\%$$

$$\begin{array}{c} 1 \\ 6 \\ \end{array}$$

$$D \Rightarrow \times 100 = 40\%$$

$$F \Rightarrow \frac{2}{1} \times 100 = 51.22\%$$

5



$$\begin{array}{c}
1\\3\\7\\G\Rightarrow \overline{} \times 100 = 46.67\%\\1\\5
\end{array}$$

$$\begin{array}{c}
4 \\
1 \\
6 \\
H \Rightarrow \times 100 = 42.86\% \\
14
\end{array}$$

390

Clearly, H is the third lowest.

S8. Ans.(d)

Sol.

$$\frac{\frac{1}{1}}{- \times 2880 + \frac{8}{- \times 3360}} = \frac{1980 + 1920}{1920}$$

$$\frac{\frac{1}{6}}{- \frac{1}{4}} = \frac{1872 + \frac{1872 + 1980 + 1920}{1872 + 2688}}{1872 + \frac{1872 + 1980 + 1920}{1872 + 2688}}$$

$$2880 \times 0 + 3360 \times 5$$
= 65:76

S9. Ans.(a)

Sol.

$$3$$

$$A \Rightarrow 2568 \times \overline{} = 1926$$

$$4$$

$$6 \times \overline{} = 1872$$

$$G \Rightarrow 3720 \times \overline{} = 2091$$

$$5 \times \overline{} = 2046$$



100
$$\frac{10}{8}$$
 3
 $D \Rightarrow 3575 \times \overline{} = 2145$
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Diff. =
$$6825 - 5943 = 882$$

Avg. =
$$\underline{}$$
 = 294

S10. Ans.(e)

Sol.

2nd highest avg. no. of employees per office = F



