

Q2. What per cent the total number of female employees in company B work in administration department?

- (a) 18.5 (b) 8.75 (c) 14
(d) 16 (e) 19

Q3. What is the total number of female employees who work on Ops in Company A and B together?

- (a) 681 (b) 781 (c) 689
(d) 649 (e) 788

Q4. What is the difference between the average number of males working in 'Admin' in both the companies together and average number of females working 'Other Departments' in both the companies together?

- (a) 26 (b) 36 (c) 16
(d) 24 (e) 14

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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 % = $\frac{1400}{490} \times 100 = 35\%$

S2. Ans.(b)

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

S3. Ans.(d)

Sol. Required no. of female = $285 + 364 = 649$

S4. Ans.(a)

Sol. Required difference = $\frac{171+147}{2} - \frac{70+196}{2}$

= $159 - 133$

= 26

S5. Ans.(b)

Sol. Required Ratio = $(196 + 49) : (588 + 147)$

= $245 : 735$

= $1 : 3$

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.

Countries	Offices	Total Employees	Respective Ratio of male & female employees	% of post graduate
A	16	2568	5 : 7	75
B	18	2880	11 : 5	65
C	14	2310	10 : 11	40
D	22	3575	3 : 2	60
E	13	2054	7 : 6	50
F	17	2788	20 : 21	75
G	24	3720	8 : 7	55
H	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 percentage of women employees to number of employees (both male & female) is ranked third lowest?

(a) E

(b) B

(c) H

(d) F

(e) A

Q8. What is the ratio between total number of male employees in countries B and H together and total number of post graduate employees in same countries?

(a) 76 : 65

(b) 86 : 85

(c) 75 : 76

(d) 65 : 76

(e) 12 : 33

Q9. What is the difference between average number of post graduate employees in countries A, B and D together and average number 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 2nd highest number of average employees per office?

(a) D

(b) H

(c) G

(d) A

(e) F

S6. Ans.(c)

Sol.

$$\text{Graduate} = 3360 \times \frac{4}{14} = 2688$$

$$\text{Female graduate} = 2688 - 1800 = 888$$

$$\text{Female employee} = 3360 \times \frac{6}{14} = 1440$$

$$\text{Female graduate next year} = 888 \times \frac{3}{2} = 1332$$

$$\% \text{ of female graduate} = \frac{1332}{1440} \times 100 = 92.5\%$$

S7. Ans.(c)

Sol.

$$A \Rightarrow \frac{7}{12} \times 100 = 58.34\%$$

$$C \Rightarrow \frac{1}{2} \times 100 = 52.4\%$$

$$E \Rightarrow \frac{2}{1} \times 100 = 46.15\%$$

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

$$B \Rightarrow \frac{5}{6} \times 100 = 31.25\%$$

$$D \Rightarrow \frac{2}{5} \times 100 = 40\%$$

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

$$G \Rightarrow \frac{1}{3} \times 100 = 46.67\%$$

$$H \Rightarrow \frac{4}{11} \times 100 = 42.86\%$$

Clearly, H is the third lowest.

S8. Ans.(d)

Sol.

$$\frac{1}{6} \times 2880 + \frac{1}{4} \times 3360 = \frac{1872}{4} + \frac{456}{1} = \frac{1872 + 456}{4} = \frac{2328}{4} = 582$$

S9. Ans.(a)

Sol.

$$A \Rightarrow 2568 \times \frac{3}{4} = 1926 \quad F \Rightarrow 2788 \times \frac{3}{4} = 2091$$

$$B \Rightarrow 2880 \times \frac{6}{5} = 1872 \quad G \Rightarrow 3720 \times \frac{5}{4} = 2046$$

$$D \Rightarrow \frac{100}{3} \times \frac{10}{5} = 2145 \quad H \Rightarrow \frac{10}{4} \times \frac{10}{5} = 2688$$

$$A + B + D = 5943$$

$$F + G + H = 6825$$

$$\text{Diff.} = 6825 - 5943 = 882$$

$$\text{Avg.} = \frac{882}{3} = 294$$

S10. Ans.(e)

Sol.

$$A \Rightarrow \frac{25}{68} = 160.5$$

$$B \Rightarrow \frac{28}{80} = 160$$

$$C \Rightarrow \frac{231}{14} = 165$$

$$D \Rightarrow \frac{35}{22} = 162$$

$$E \Rightarrow \frac{20}{13} = 158$$

$$F \Rightarrow \frac{278}{17} = 164$$

$$H \Rightarrow \frac{33}{60} = 160$$

$$G \Rightarrow \frac{37}{20} = 155$$

1

24

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

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