

THE CLAT COMBAT

Quantitative Technique 1

Directions (1-5): Read the following information carefully and answer the questions that follow.

There are 4 cities Vidhi, Vidhan, Vedit and Vidya and each city has a certain no. of males and females. The total population of the city Vidhi is 1700. The no. of males in the city Vidhan is 800 and the total no. of males in the city Vidhan and Vedit together is 2000. The no. of males in the city Vedit is 20% more than no. of females in the city Vidhan. The no. of females in Vidhi is 11.11% less than the no. of males in the same city. The no. of females in the city Vedit is the average of no. of females in the cities Vidhi and Vidhan. The total population of the city Vidya is 2250. In the city Vidya the no. of males are more than no. of females and their difference is 50.

1. What is the total population of city Vidhan?

- (a) 1760 (b) 1800 (c) 1940 (d) 2080

2. The no. of females in Vedit is what percent of the no. of males of the same city?

- (a) 73.33% (b) 66.66% (c) 75% (d) 60%

3. Find the no. of males in city Vidya.

- (a) 1300 (b) 1250 (c) 1200 (d) 1150

4. The no. of females in Vidhan is what percent more/less than the no. of males in Vidhi?

- (a) 6.66% (b) 11.11% (c) 15.55% (d) 16.66%

5. What is the average population of all the four cities?

- (a) 1962.5 (b) 1947.5 (c) 981.25 (d) 973.75

1.Ans. b

Sol. COMMON EXPLANATION

The following data can be converted into the table form as:

	MALES	FEMALES	TOTAL
VIDHI	900	800	1700
VIDHAN	800	1000	1800
VIDIT	1200	900	2100
VIDYA	1150	1100	2250

Thus, the total population of Vidhan = 800+1000 = 1800

Hence, option (b) is correct.

2.Ans. c

Sol. Following the COMMON EXPLANATION

The no. of females in Vedit = 900

No. of males of the same city = 1200

Required % = $900/1200 = 75\%$

Hence, option (c) is correct.

3.Ans. d

Sol. Following the COMMON EXPLANATION

The no. of males in city Vidya = 1150

Hence, option (d) is correct.

4.Ans. b

Sol. Following the COMMON EXPLANATION

The no. of females in Vidhan = 1000

The no. of males in Vidhi = 900

Difference = 100

Required % = $100/900 = 1/9 = 11.11\%$

Hence, option (b) is correct.

5.Ans. a

Sol. Following the COMMON EXPLANATION

Total population of all the four cities = 1700+1800+2100+2250 = 7850

Total no. of cities = 4

Required average = $7850/4 = 1962.5$

Hence, option (a) is correct.