

O.R

- (a) What is mean by Sequencing? Explain in detail. (6)
- (b) In a company, there are five jobs to perform, each of which should go through two machines A and B, in the order A and B. The processing timings (in hours) for the job are given below. Determine the sequence of performing jobs to minimize total elapsed time. Also find total time and elapsed time for machine A and B. (9)

Machine	Processing Time (In hours)					
	jobs	1	2	3	4	5
A		10	2	18	6	20
B		4	12	14	16	18

Que.3

- (a) Find G.F.R, S.F.R AND T.F.R for the following informations: (6)

Age (In years)	15-19	20-24	25-29	30-34	35-39	40-44	45-49
No. of females	20000	18000	16000	13000	9000	6000	5000
Total no. of live births	750	2000	1850	1050	550	65	25

- (b) From the following data of two cities which city may be regarded healthier: (9)

Age (In Years)	City A Population	Deaths of city A	City B Population	Deaths of city B
0-15	2000	60	2500	75
15-30	2500	20	3600	25
30-50	5600	56	125000	125
More than 50	1900	95	1400	70

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