

Assignment

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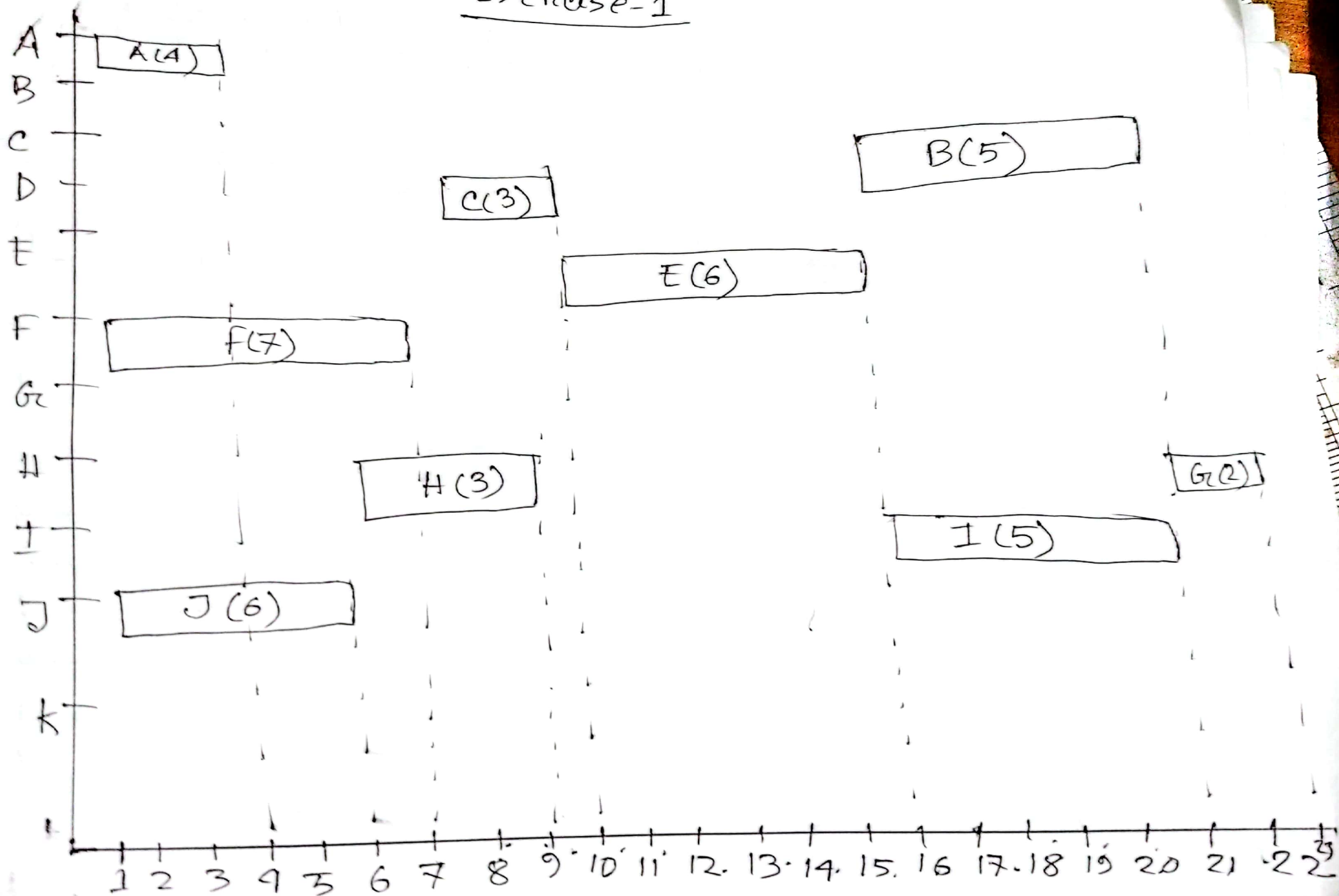
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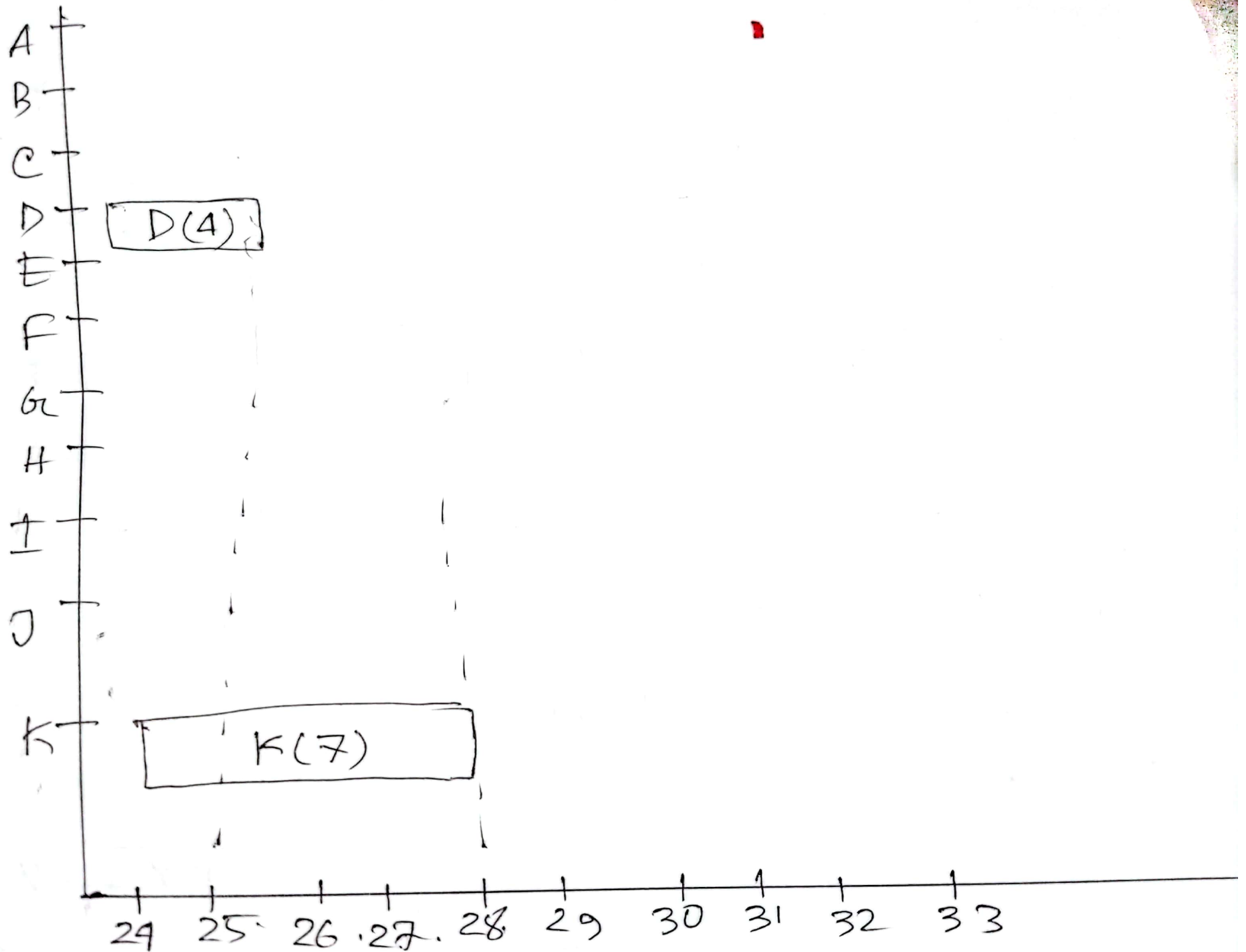
Section: PC-A

Department: CSE

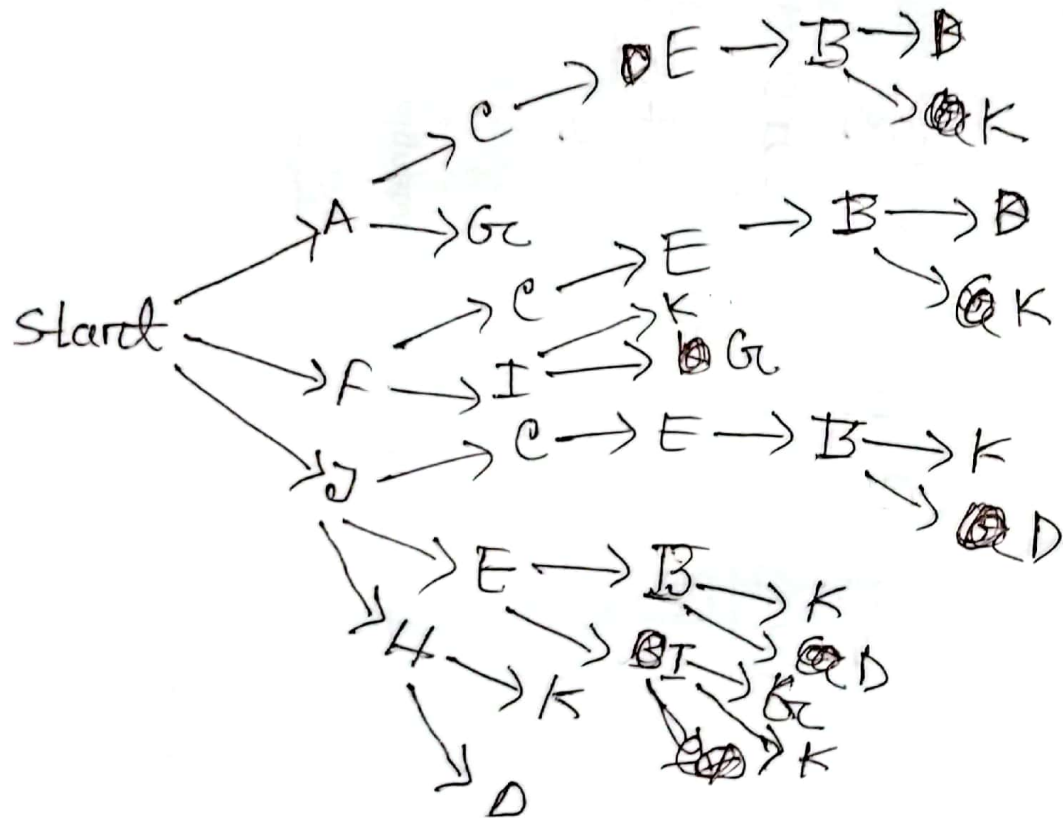
a) Gantt chart

Exercise-1





b) network diagram



0	4	4
A		

16	5	21
B		

2	3	10
C		

21	4	25
D		
21	0	25

40	6	16
E		
10	0	16

0	7	7
F		

21	2	23
G		
2	0	23

6	3	9
H		
18	12	21

16	5	21
I		

0	6	6
J		

21	7	28
K		
21	0	28

c)

$$\times A \rightarrow C \rightarrow E \rightarrow B \rightarrow D = 22$$

$$\times A \rightarrow C \rightarrow E \rightarrow B \rightarrow K = 25$$

$$\times A \rightarrow G = 6$$

$$\times F \rightarrow C \rightarrow E \rightarrow B \rightarrow D = 25$$

$$\times F \rightarrow C \rightarrow E \rightarrow B \rightarrow K = 28$$

$$\times F \rightarrow I \rightarrow G = 14$$

$$\times F \rightarrow I \rightarrow K = 19$$

$$\times J \rightarrow C \rightarrow E \rightarrow B \rightarrow D = 24$$

$$\times J \rightarrow C \rightarrow E \rightarrow B \rightarrow K = 27$$

$$\times J \rightarrow E \rightarrow B \rightarrow D = 21$$

$$\times J \rightarrow E \rightarrow B \rightarrow K = 24$$

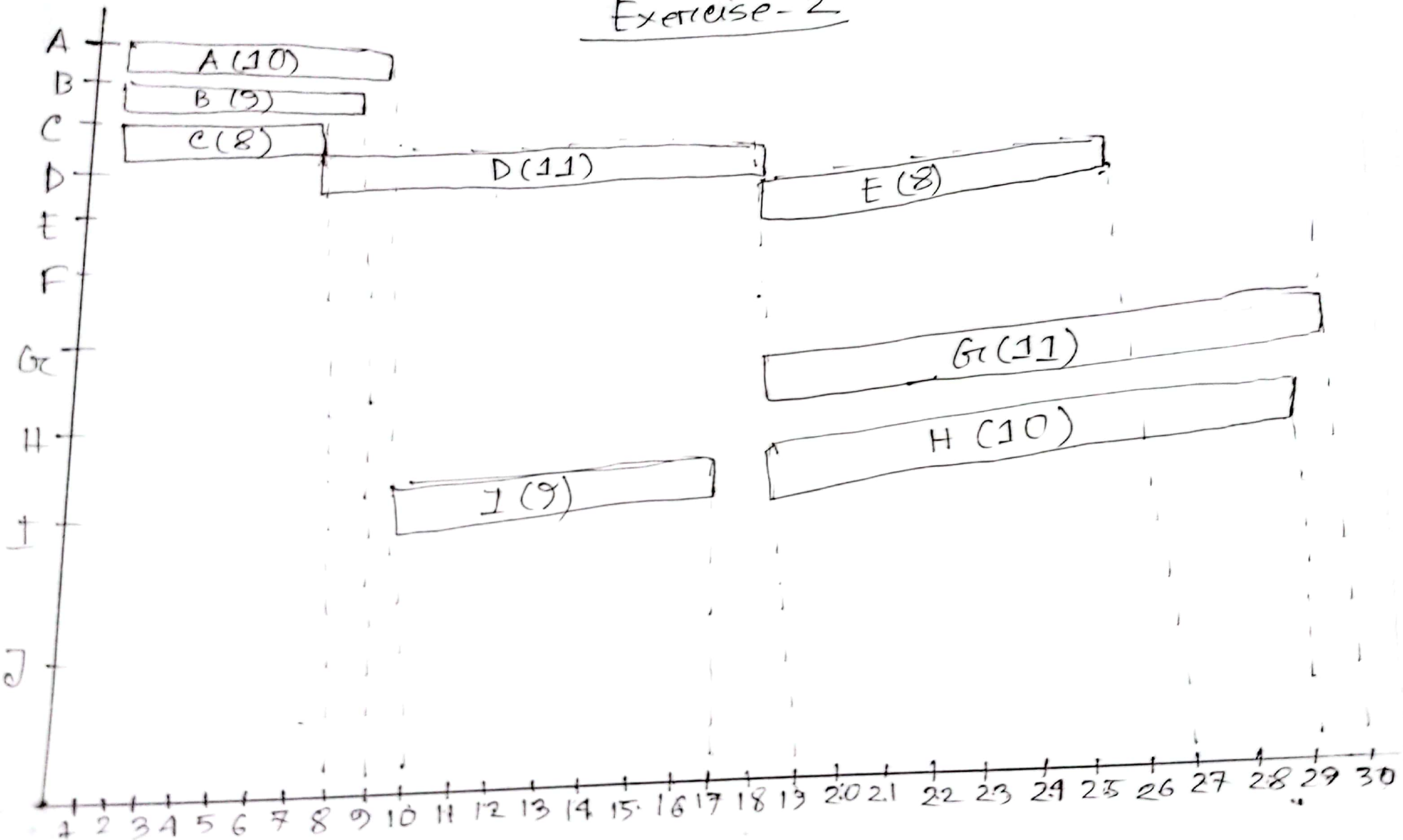
$$\times J \rightarrow E \rightarrow I \rightarrow G = 19$$

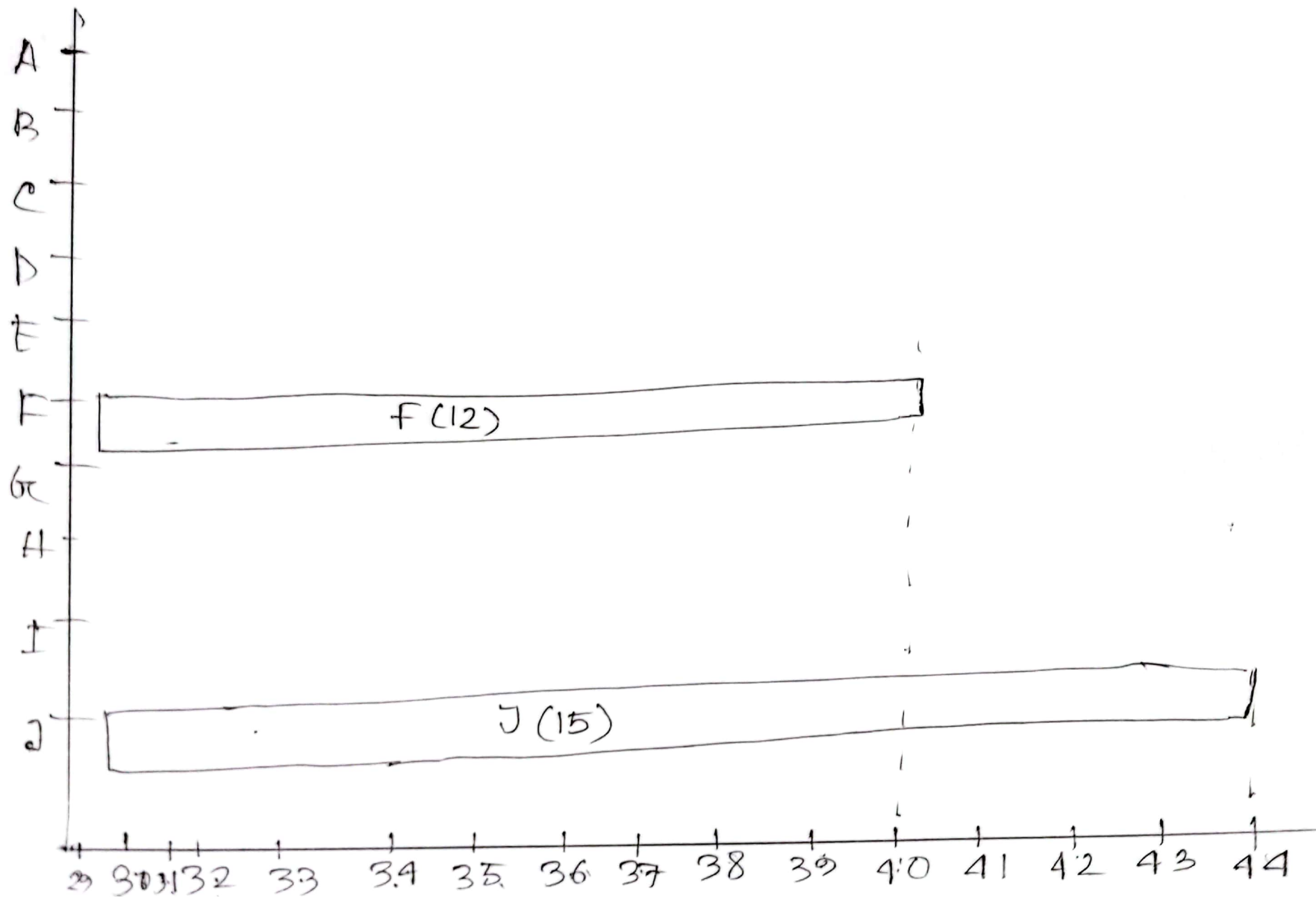
$$\times J \rightarrow E \rightarrow I \rightarrow K = 26$$

$$\times J \rightarrow H \rightarrow D = 13$$

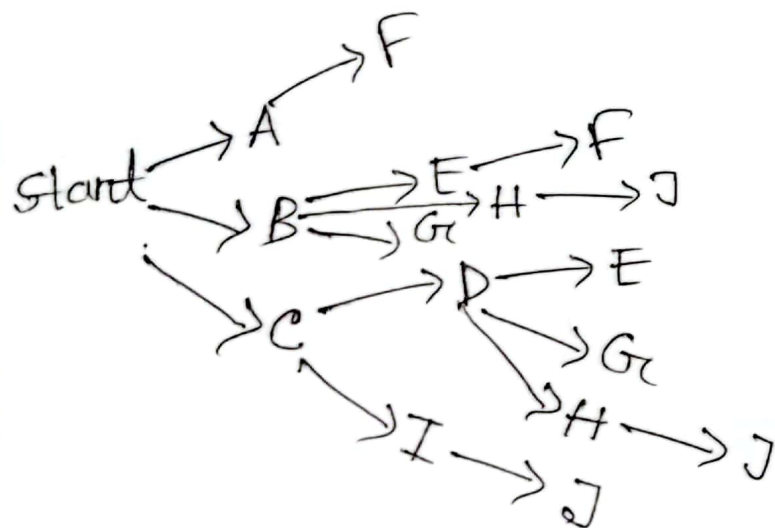
$$\times J \rightarrow H \rightarrow K = 16$$

Exercise - 2





b) Network diagram



0	10	10
A		
8	8	18

0	9	9
B		
3	3	6

0	8	8
C		
3	3	5

8	11	19
D		
5	13	6

9	8	17
E		
9	0	17

17	12	30
F		
18	0	30

19	11	30
G		
19	0	30

19	9	28
H		
6	13	15

8	9	17
I		
6	2	15

28	15	43
J		
15	0	43

c) Critical path

$$XA \rightarrow F = 10 + 12 = 22$$

$$XB \rightarrow E \rightarrow F = 9 + 8 + 12 = 29$$

$$XB \rightarrow H \rightarrow J = 9 + 9 + 15 = 33$$

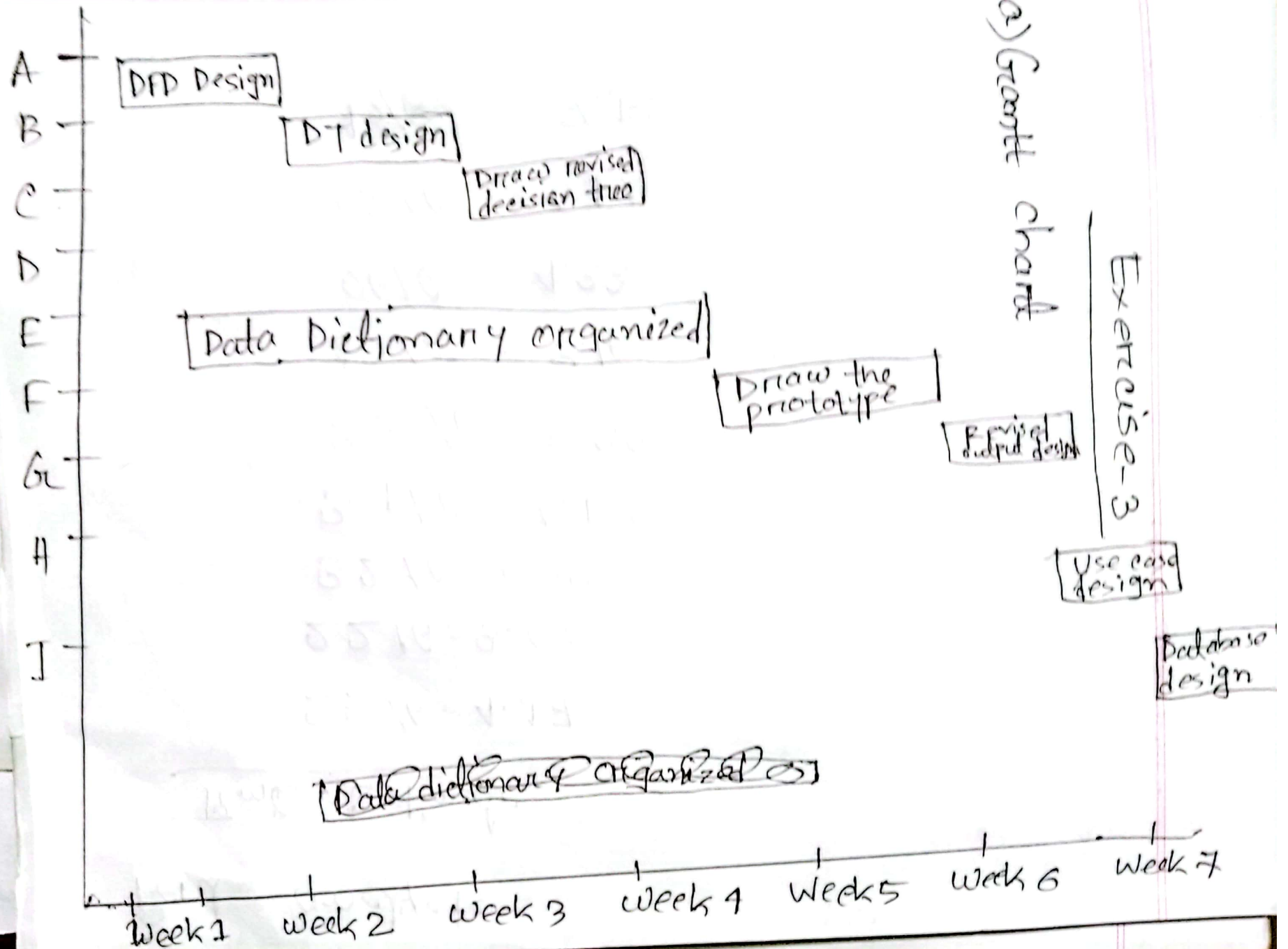
$$XB \rightarrow G = 9 + 11 = 20$$

$$XC \rightarrow D \rightarrow E = 8 + 11 + 8 = 27$$

$$XD \rightarrow G = 11 + 11 = 22$$

$$XD \rightarrow H \rightarrow J = 11 + 9 + 15 = 35$$

$$XC \rightarrow I \rightarrow J = 8 + 9 + 15 = 32$$



Perd analysis

Time Estimate

$$25/6 = 4.17$$

$$22/6 = 3.67$$

$$32/6 = 5.33$$

$$31/6 = 5.17$$

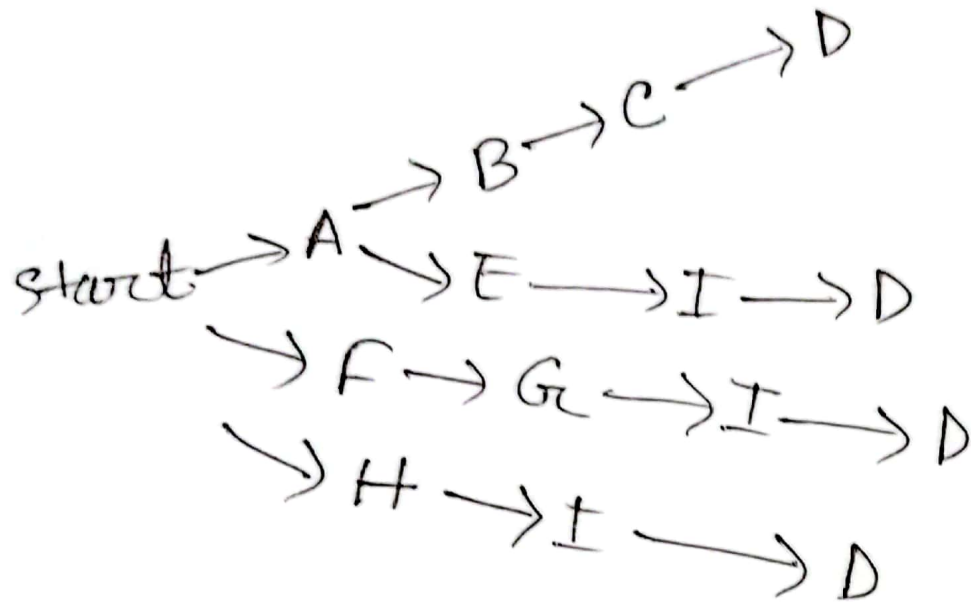
$$32/6 = 5.33$$

$$19/6 = 3.16$$

$$26/6 = 4.33$$

$$37/6 = 6.17$$

$$43/6 = 7.17$$



0	4.17	4.17
A		
7.84	3.67	7.84
3.67		

4.17	3.67	7.84
B		

7.84	5.33	13.17
C		

4.17	5.33	9.5
E		

There will be no critical path and value.

Exercise-4

a) Input form design —

To create an input form that is easy for counter servers and the kitchen crew to scan and fill out quickly, here is a demo design —

SPEEDY SPUDS

POTATO ORDER FORM

● POTATO OPTIONS

1. Regular
2. Sweet
3. Curly
4. Waffle
5. Tater Tots
6. Wedges

● ADDITIONAL TOPPINGS

1. Salted
2. Cheesy

3. Bacon

4. Sour cream

5. Gravy

● ORDER DETAILS

Quantity: . . .

price: . . .

Submit: —

b) Output Form Design -

To display the captured information from the input form, here is demo design for the output form -

SPEEDY SPUSS

Potato Order Receipt

ORDER DETAILS

Potato: Regular

Toppings: Salted, cheesy, sour cream

Quantity : 2

price : 300Tk

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Exercis-5

a) Online Input Forms for Ordering Products:

To facilitate the ordering process for distributors, resellers and individuals, here are proposed online input forms:

1. Distributor Order form:

✓ SMART TECHNOLOGIES, DISTRIBUTOR ORDER FORM <u>Order Details</u>

Customer Type: Distributor

Number of computers: - - - - -

Shipping Details

Address: []
City: []
State: []
Zip code: []
<input type="button" value="Submit"/>

2. Reseller Order Form:

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Reseller Order Form

Order Details

Customer Type: Reseller

Number of Computers: - - - -

Shipping Details

Address: []

City : []

State : []

Zip Code : []

Submit

3. Individual Order Form

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Individual order form

Order Details

Customer Type: Individual

Number of Computers: - - - -

Shipping Details

Address : []

City : []

State : []

Zip Code : []

Submit

b) Invoice form:

Here is a demo design for the invoice form

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INVOICE

Billing Details - -

Customer Name : _____

Address : _____

City : _____

State : _____

Zip Code: _____

ORDER DETAILS

Order Number:

Customer Type :

Number of Computers:

Discount Applied :

Subtotal :

Shipping Cost :

Total Amount :

Thank you for your order!