Assignment

Name: Salim Reza Joy
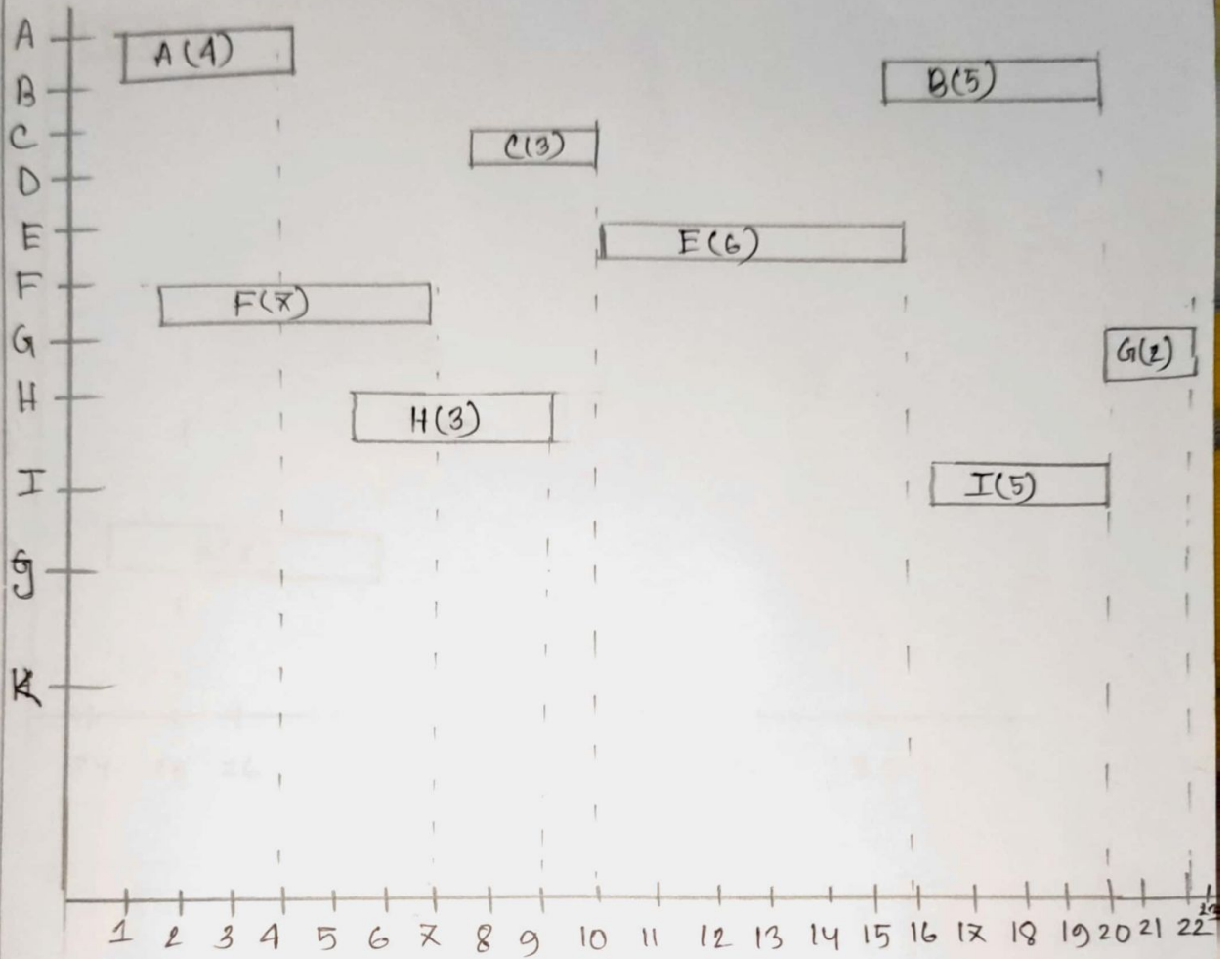
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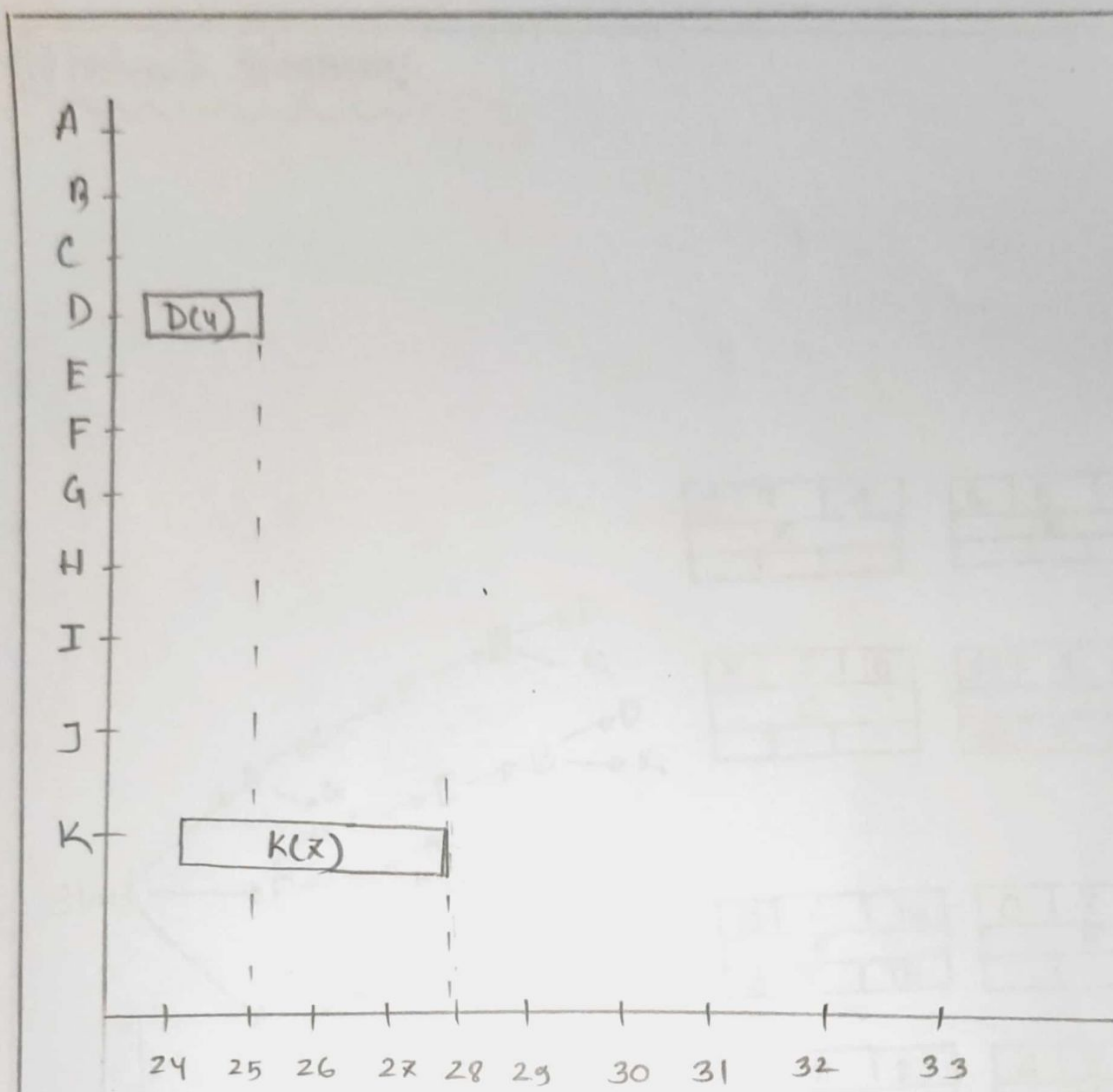
Section: PC-B

Department: CSE
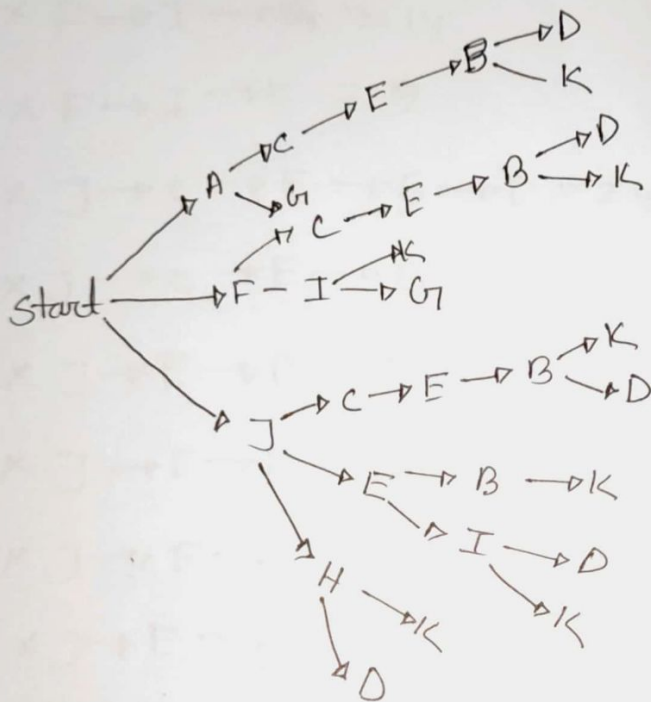
Exercise.-1

ⓐ Gantt chart:

A
B
C
D $\boxed{D(4)}$
E
F
G
H
I
J
K $\boxed{K(\bar{x})}$

24 25 26 27 28 29 30 31 32 33

⑥ Network diagram:

Start → A → C → E → B → D
                    B → K
              G
          C → E → B → D
                    B → K
Start → F → I → G (→K)
Start → J → C → E → B → K
                        B → D
              E → B → K
              I → D
              H → K
              D

0	4	4
	A	

16	5	21
	B	

7	3	10
	C	

21	4	25
	C	
21	0	25

10	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	

27	7	28
	K	
21	0	28

Ⓒ

X A → C → E → B → D = 22

X A → C → E → B → K = 25

X A → G = 6

X F → C → E → B → D = 25

X F → C → E → B → K = 28

X F → I → G := 14

· X F → I → K = 19

X J → C → E → B → D = 24

X J → C → E → B → K = 27

X J → E → B → D = 21

X J → E → B → K = 24

X J → E → I → G = 19

X J → E → I → K = 24

X J → E → I → G = 19

X J → E → I → K = 25

X J → H → D = 13

X J → H → K =

Exercise-2

A Gantt chart with vertical axis labeled A, B, C, D, E, F, G, H, I, J and horizontal axis labeled 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44. Two bars are shown: F(12) ending at 40, and J(15) ending at 44.
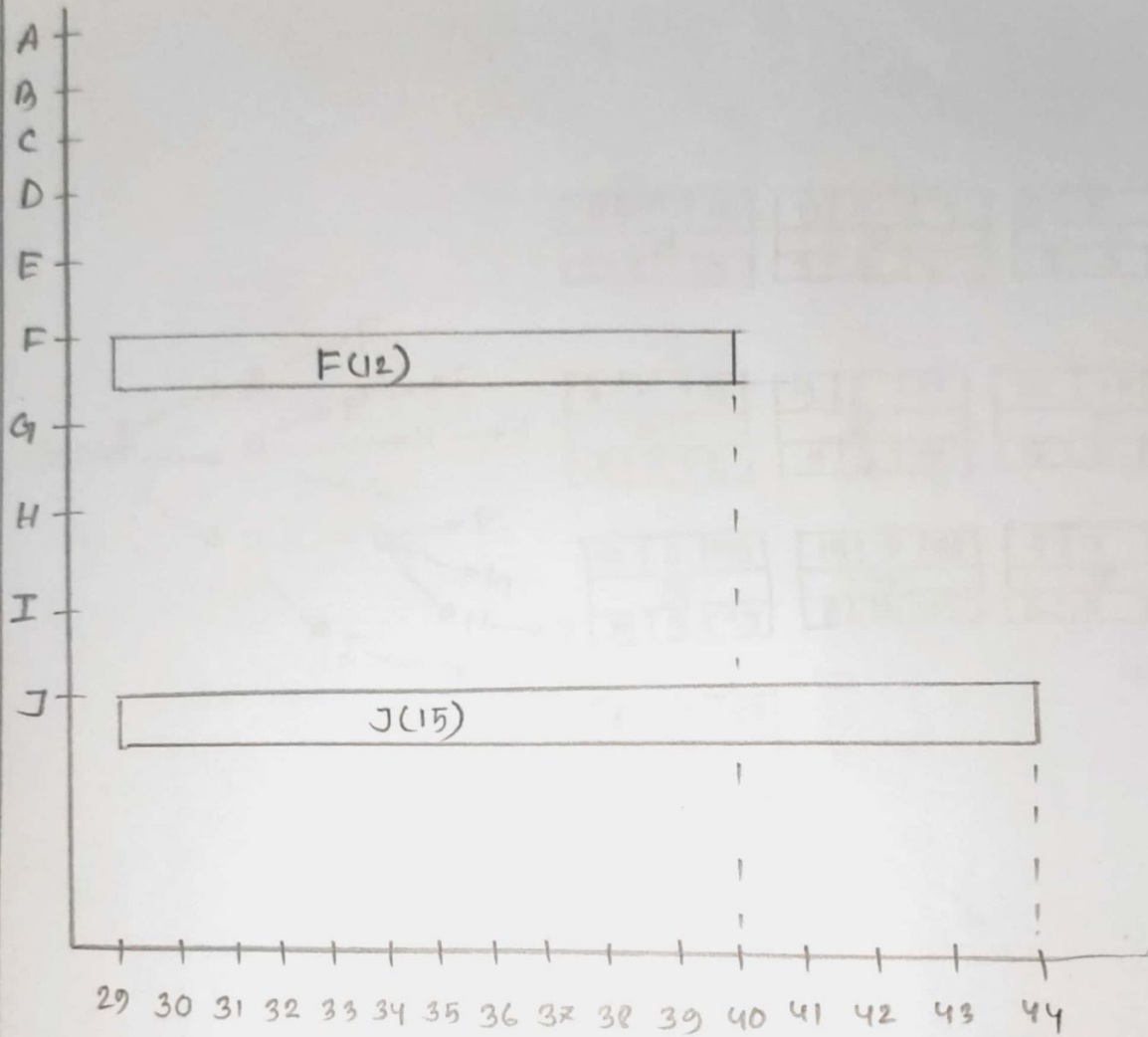
⑥ Network diagram:
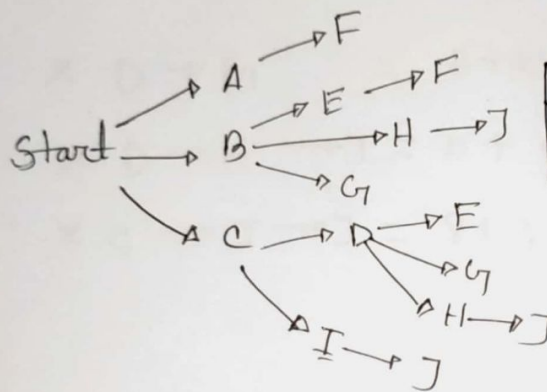
0	10	10
	A	
8	8	18

0	9	9
	B	
3	3	6

0	8	8
	C	
3	3	5

Start → A → F

B → E → F

E → H → J

B → G

C → D → E

D → G

D → H → J

C → I → J

8	11	9
	D	
5	3	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

① Critical path:

× A → F = 10 + 12 = 22

× B → E → F = 9 + 8 + 12 = 29

× B → H → J = 9 + 9 + 15 = 33

× B → G = 9 + 11 = 20

× c → D → E = 8 + 11 + 8 = 27

× D → G = 11 + 11 = 22

× D → H → J = 11 + 9 + 15 = 25

× c → I → J = 8 + 9 + 15 = 32

@ Gantt chart ; Excercise-3

Gantt chart with rows A–I and columns Week 1 through Week 7:

- A: DFD Design
- B: DT design
- C: Draw revised decision tree
- E: Data Dictionary, organized
- F: Draw the prototype
- G: Revised output design
- H: Use case design
- I: Database design

Timeline: week 1, week 2, week 3, week 4, week 5, week 6, week 7
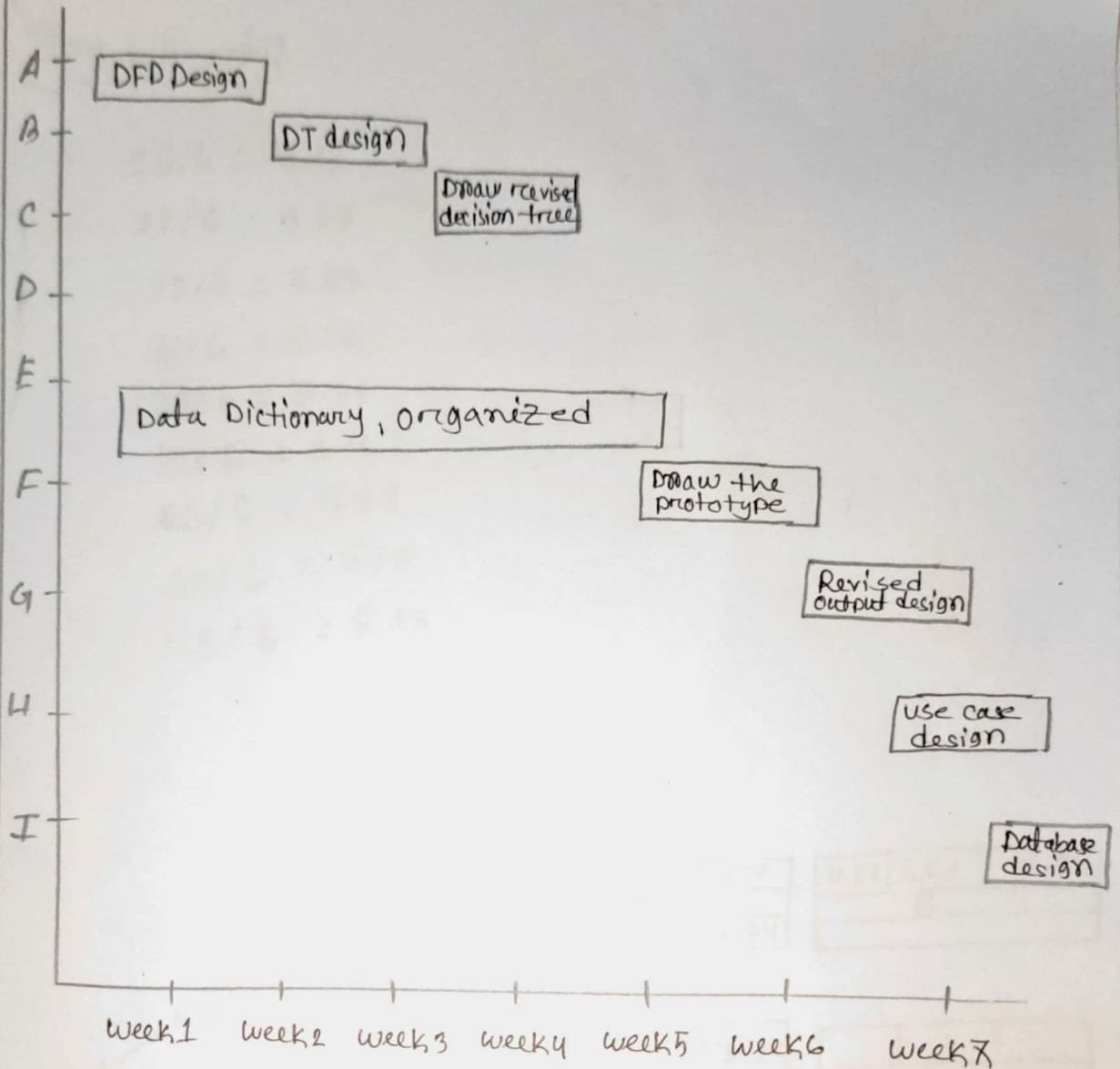
part analysis

Time Estimate:

$25/6 = 4.17$

$22/6 = 3.67$

$32/6 = 5.33$

$31/6 = 5.17$

$32/6 = 5.33$

$19/6 = 3.16$

$26/6 = 4.33$

$37/6 = 6.17$

$43/6 = 7.17$

There will be no critical path and value
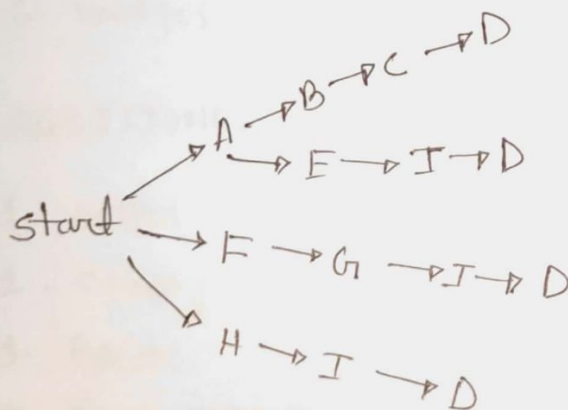
0	4.17	4.17
	A	
3.67	3.67	7.84

4.17	3.67	7.84
	B	

7.84	5.33	3.17
	C	

	D	

7.84	5.33	3.17
	E	

	F	

	G	

	H	

	I	

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 : . . . . .

⑥ Output Form Design:

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

SPEEDY SPUSS

<u>Potato Orders Receipt</u>

ORDER DETAILS

potato : Regular

Toppings: Salted, cheesy, Sour cream

Quantity : 2

price : 300 TK

- - - - - - - - - - - - -

[print]

<u>Excercise - 5</u>

@ online Input forms for ordering products :

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

1. Distributer order form :

SMART TECHNOLOGIES

DISTRIBUTOR ORDER FORM

— — — — — — —

<u>Order Detalis</u>

Customer Type : Distributor

Number of computers : . . . . . .

Shepping Detalis

Address : [   ]
city : [   ]
State : [   ]
zip code : [   ]

— — — — — — —

Submit

3. Individual order Form:

SMART TECHNOLOGIES

Individual order form

order details

customer type : Individual

Number of computers : _ _ _ _ _ .

Shipping Details

Address : [   ]
city   : [   ]
State   : [   ]
Zip code : [   ]

Submit

⑥ Invoice form:

Here is a demo design for the invoice form.

SMART TECHNOLOGIES

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.