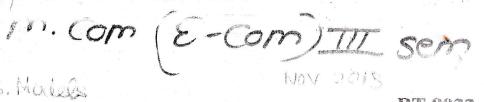
Ash2-D:\Data-85

Buss, Models



Con. 6162-13.

BT-8032

		(2 Hours)	[ Tota	il Marks	: 60
	N.B	.: (1) All question are compulsory.			
		(2) All questions carry equal marks.			
1.	(a)	What is E-commerce? Explain in detail its benefits.			8
	(b)	Explain the E-choupal initiative of ITC.			7
		OR			
	(a)	Explain B2B, B2C, C2C, G2C models.			9 .
	(b)	Explain demerits of E-commerce.		ar	
2.	(a)	What are the benefits of online trading?	· · · · · · · · · · · · · · · · · · ·	g (tr)	
	(b)	HDFC offers various online banking services.			ð
	(0)	The content various online banking services.	e S		7
		OR		×.	
			*		
	(a)	What are the benefits of online job market to employers and	d employees	3?	
	(b)	What do you mean by hybrid model?			
3.	(a)	Brief out about Brick and Mortar model.			8
	(b)	Explain about online banking services.			- 19
		OR			
	(a)	What do you mean by click-to-click model?			
	(b)	How E-commerce beneffited business house in today's world	ld?		
4.	Write	short notes on any three :-			15
	(a)	Amazon com.		•	. R.J
	(b)	E-education.			
	(c)	Advertising model.			
	(d)	Differences between click-to-click and Brick and Mortar.			

	(2 Hours)	Total Marks: 60	
N. B. :	(1) All questions are compulsory.		
	(2) All questions are having Internal options.		
1. (a)	Explain firewall with it's types.		15
	OR		ani. Qir
(a)	Define PINA factor.		8
(b)	Define network security.	*	
	2시 전기를 보고 하는 것이 하셨습니다. 그 그렇게 되어 되었다.		,
2. (a)	Define card Brand, card Issuer, Acquirer, Merchant and card I	Holder	15
	OR	ioidoi.	l o
(a)	Define Encryption with diagram.		8
(b)	Define digital signature and digital certificate.		7
3. (a)	Define New Generation payment system with it's types. OR	32C. E-carb	15
(a)	Give reasons for low utilization of credit cards in India.		8
(b)	Define virus with it's types.		7
			/
4. (a)	Explain on line web based payment services of HDFC Bank.  OR	1	5
(a)	Define SWIFT.		8
<b>(</b> b)	Define SSL and SHTTP.		O
			6

PUTMENT BZB P-COM.

- WIFT
CHIPS

RBINET

BANKNET

INFNET.

Con. 6387-13.

(2 Hours)

[Total Marks:60

207	All questions are compulsory.  ) Figures to the right indicate marks.	
1. (a) (b)	Define service and give a brief classification of service with example.  Discuss the macro and micro environment for tourism industry.  OR	8
(P)	What are the service marketing mix? How each of those mix help to satisfy an organisation's consumer?	8
7(9)	Identify reasons for growth of service sector in India.	7
2. (a)	Taking the example of service organisation like Railways, Airlines, Banks and Hotels identify the strategy they adopt to tangibalise their intagible service.	8
(b)	How can we use "SERVQUAL" to measure service quality?  OR	7
(p) (q)	Use "gap model for service quality" for an industry of your choice.  Discuss the basic strategies for matching demand and supply and give example of each.	8
3./(a) (b)	How do you market educational services with the help of 7P's?  Explain relationship development process with its attribute and determinant.  OR	8
(p)	What is the need and importance of CRM in service marketing?	8
(q)	Discuss role of IT for successful CRM.	7
4. Write	e short notes on (any three): -	12
t	(a) Service marketing triangle (b) GATS (c) E CRM (d) STP.	15

BT-8025

(2 Hours)

[ Total Marks: 60

(1) Attempt all questions.

(2) Draw diagram when necessary.

Explain CSS and its type with example.

. 10

10

10

- Explain the following tags with example.

  - table table cell (b)

- Write short note on following:-
  - Bookmarks
  - (b) URL
  - (c) FTP
- Explain security threats in detail.

10

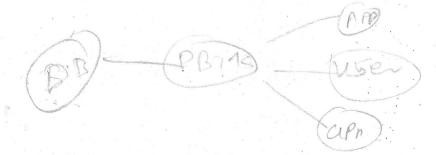
- Explain steps for process of planning for development of an effective Website.
- What is Web Browser? List down the browsers available in today's market. Explain 6. 10 difference between netscape communicator and internet explorer.

## (2 Hours)

[ Total Marks:60

# N.B.: All questions are compulsory.

Explain ANSI-SPARC three level architecture of database system.	
(b) Explain DMC,DDL and DCL language of database system.	8
OR	
(a) Explain the building-blocks of E-R model with E-R diagram.	0
(b) Explain data mining and states its uses.	2
	- 7
2. (a) Define data model. Explain different types of data model.	8
(b) Explain the concept and types of data warehouse.	7
OR	,
(a) Explain different techniques used in database security.	8
(b) Define transaction. Explain recovery of the transaction failure.	7
3. (a) What do you understand by the term Functional decision of the second sec	1. E
3. (a) What do you understand by the term Functional dependency. Explain various of functional dependency.	types 8
	(
(b) Explain multimedia database and it use in e-commerce industry.	7
(a) Explain normalization in detail.	
(b) Explain data warehouse with respect to its uses in World Wide Web.	8
Tospect to its uses in world wide web.	. 7
4. What are the different advantages and significance of DBMS. Describe in detail.	
OR	15
Write short notes on: -	
(a) Spatial database	•
(b) Relational operator	
(c) Concurrency control.	



MCom - E - com III sem

OR

BT-8018

(2 Hours)

[Total Marks: 60

N.B.: (1) Solve all questions.

(2) Graph paper will be supplied on demand.

1. (a) Explain the following terms:—

(i) Unbounded solution to LPP by Graphical method.

2

Degeneracy in transportation problem.

3

Solve the following LPP by Simplex method write optimal product mix and max-profit:

10

 $Z = 100x_1 + 80x_2$ Max

 $6x_1 + 4x_2 \le 7200$ 

 $2x_1 + 4x_2 \le 4000$  $x_1, x_2 \ge 0.$ 

OR

Explain the following concepts:—

Shadow prices

Restricted Assignments. O(ii)

2

Solve the following transportation problem by VAM write min. transportation cost,

Source	M	Supply		
	A	В	C	
1	13	10	9	60
2	11	12	13	60
3	8	18	17	80
4	7	11	11	50
Demand	70	80	100	1450

A firm is engaged in animal breeding. The animals are to be given nutritious suppliment everyday. 10 There are two products A and B which contains 3 required nutrients.

	Nutrients	Quanti	ty/Unit	Minimum requriedme	nt
	Muthents	A	В	Ivaliandian a od manomina	
1	1	72	12	216	
-	2	6	24	72	
-	3	40	20	200	

A B

FLX, +12 x ≥ 216.

7641+2481, 7L

4041, +20427, 200 40x + 8082

Product cost per unit are Rs. 40 for A and Rs. 80 for B. Find out quantity of product A and B to be given to provide minimum nutritional requirement. Formulate above as a LPP and solve graphically.

Solve the following game. Write value of the game

Player B -

		$\boldsymbol{B}_{1}$	$B_2$	$B_3$
	$A, \lceil$	- 5	10	20
Player A	$A_2$	5	- 10	- 10
	$A_3$	5	- 20	20
	, r		0	R

Cont > Provide

Fiind the Assignments of workers and machine to maximise the profit.

Machine Workers M, (67)A 83 80 95 B 70 72 C 85 95 110 D

10

(q) A confectioner sells confectionary item. Past data demand/week (in'oo kgs) with frequency is given below:—

Demand/Week	0	5	10	15	20	25
Frequency	2	11	8	21	5	3

Using the sequence of following random numbers, generate demand for next 15 weeks. Also find average demand/week.

35, 52, 90, 13, 23, 73, 34, 57, 35, 83, 94, 56, 67, 66, 60

3. The following is a table showing details of a project.

Activity	Norr	nal	Crash		
	Time (weeks)	Cost (Rs.)	Time (weeks)	Cost (Rs.)	
A 1-2	3	300	2	400	
B 2-3	3	30	$\frac{1}{3}$	30	
C 2-4	7	420	5	580	
D 2-5	9	720	7	810	
E 3-5	5	250	4	300	
F 4-5	0	0	0	0	
G 5-6	6	320	3	470	
H 6-7	4	400	3	900	
16-8	13	780	10	1200	
J 7-8	10	1000	9	1200	

### Inidirect Cost is Rs. 50/- week.

- (i) Draw the network diagram for the project and identity the critical path.
- (ii) What are the normal project duration and associated cost?
- (iii) Crash the relevant activities systematicaly and determine the optimal project completion time and cost.

OR

3. (p) For the following project:—

- (i) Draw network diagram.
- (ii) Find Critical path and project completion time.
- (iii) Find ES EF LS LF times.

(iv) Find total float of each non critical activity.

Activity	A	В	C	D.	E	F	G	H
	1-2	2-3	2-4	3-4	3-5	4-6	5-7	6-7
Time (days)	4	6	2	6	3	4	1	2

10

15

(q) A production deptt. of a Company requires 3800 kg of raw material for manufacturing a particular item per eyar. It has been estimated that the cost of placing an order is Rs. 38 and Cost of Carrying inventory is 20% of the investment in the inventories. The price is 20 Rs./kg. find ordering policy i.e. optimal lot size and optimal order cycle.

4. The following table was obtained while solving a LPP by Simplex method. = 38 C3 = 20

Basis	$\begin{array}{c} C_J \rightarrow \\ \text{Solution} \end{array}$	2	5	8	0	0	0
v *	. 0/0	<b>x</b> <sub>1</sub>	x <sub>2</sub>	Х3	S <sub>1</sub>	s <sub>2</sub>	83
^2	8/3	1/3	* 1	*0	1/6	- 1/3	*
^3	56/3	5/6	***	* '	- 1/1,2	2/3	*
s <sub>3</sub> *	44/3	7/3	* *	**	- 1/13	- 1/3	* /
	$ Z_{j} $	*	*	*	*	*	* ,

is

#### Con. 7966-BT-8018-13.

Fill in the (\*) positions and answer the following questions:—

- (i) Is the above solution optimal? If not carry out further iterations to get optimal solution.
- (ii) Write optimal product mix and max. profit.
- (iii) A customer is willing to pay some extra price for product x<sub>1</sub>, by how much amount the price be increased for this product to ensure no reduction in profit.
- (iv) Indicate shadow prices of each of resources? Which of the resources are abundant and which are scarce?
- (v) Is there any alternate optimal solution? If yes identify it.

#### OR

- (p) Write applications of Operation Research in Management.
- (q) Write dual of the following LPP.

Max 
$$Z = 30x_1 + 40x_2 + 35x_3$$
  
S.T.  $3x_1 + x_2 + 2x_3 \le 90$   
 $2x_1 + x_2 + 2x_3 \le 54$   
 $x_1 + 3x_2 + 2x_3 \le 93$   
 $x_1, x_2, x_3 \ge 0$ 

(r) Find Initial Basic Fesible Solutin of following transportation problem by (i) N-W corner Rule and (ii) Least cost method and compare the min transportation cost.

	$\mathbf{w}_{1}$	w <sub>2</sub>	w <sub>3</sub>	Supply
F <sub>1</sub>	14	12	9	200
F <sub>2</sub>	8	10	13	150
F <sub>3</sub>	11	16	7	250
Demand	250	150	200	



lar of nd

15

10

2896

# Business models of E. Commonce TIL Sem

,	(2 Hours) [ Total Marks	: 6
	N. B.: (1) All questions are compulsory.	
	(2) Internal choices have been given.	
	(3) Figures to the right indicate full marks.	
<sup>3</sup> 1.	What do you mean by e-commerce? Enumerate its merits & demerits.  OR	Targ.
1.	Define brick & mortar, click to click. Distinguish between them with appropriate differences.	1200
2.	What factors have contributed for growing demand of e-commerce model?  OR	13
2.	How e-choupal has benefited farmers all over india?	1.5
3.	What do you mean by on-line banking? What are various e-payment facilities used by banks?	1.
	OR	
3.	List out various types of e-commerce models.	13
4.	What do you mean by hybrid model? L'st out its merits & demerits.	15

Define revenue model. Give an appropriate example.