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# END TERM EXAMINATION

FIRST SEMESTER (BBA) DECEMBER-2024

Paper Code: BBA-101  
BBA(B&I)-101

Subject: Management Process and  
Organizational Behaviour  
(BATCH-2021 Onwards)

Time: 3 Hours

Maximum Marks: 60

Note: Attempt all questions as directed. Including Q.No.1 which is compulsory. Internal choice is indicated.

Q1 Explain the following terms in not more than 40 words. Attempt **any four**:  
(5x4=20)

- (a) Managerial Functions
- (b) Management by Objectives
- (c) Types of plans
- (d) Span of management
- (e) Any one job related attitude
- (f) Personality
- (g) Organizational culture
- (h) Democratic Leadership

*At tactical operation  
contingency  
project long term chart.*

Q2 Discuss the core principles of the classical approach to management. How have these principles influenced modern management practices? (10)

OR

Q3 Discuss the key principles of Business Process Reengineering (BPR). What are the challenges associated with BPR? (10)

Q4 Discuss the concept of bounded rationality. How does bounded rationality differ from the classical notion of rational decision-making? (10)

OR

Q5 Differentiate between formal and informal organizational structure. What are some advantages of having an informal organizational structure in a company? (10)

Q6 What is the concept of classical conditioning as proposed by Ivan Pavlov? How can classical conditioning be used in an organization? (10)

OR

Q7 What is perception? What are the factors influencing perception? Give an example of application of perception in organizational behaviour. (10)

Q8 What is power? What are some common power tactics used by individuals to influence others in an organizational setting? (10)

OR

Q9 What is motivation? Discuss Maslow's theory of motivation. How can understanding Maslow's Hierarchy of Needs help managers motivate their employees effectively? (10)

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# END TERM EXAMINATION

FIRST SEMESTER [BBA] DECEMBER 2024

Paper Code: BBA-103/BBA/CAM/103

Subject: Business Mathematics

Time: 03:00 Hours

Maximum Marks: 60

Note: Attempt any five questions in all including Q.No1 which is compulsory. Internal Choice is indicated.

Q1 Attempt any Four of the following questions:

(4x5=20)

- (a) Find the number of distinct permutations of the letters of the word **MATHEMATICS**?
- (b) From 7 gents principals and 4 ladies principals a committee of 5 is to be formed. In how many ways can this be done so as to include at least one lady principal?
- (c) The supply function of a producer is given by  $p = 0.4e^{2x}$ , where  $x$  denotes thousand units. Find producer surplus when sales are 2000 units.
- (d) Find the sum of all natural numbers between 250 and 1000, which are exactly divisible by 3.
- (e) The demand law for a commodity is given by  $p = 20 - 2x - x^2$ . Find the consumer's surplus when the market demand is 3.
- (f) Find the absolute maximum and minimum values of the function  $f(x) = 3x^4 - 2x^3 - 6x^2 + 6x + 1$  in the interval  $[0, 2]$ .
- (g) Find the number of ways in which a cricket team consisting of 11 players can be selected from 12 players. Also, find how many of these ways (i) include the captain (ii) do not include the captain.
- (h) Find five numbers in AP such that their sum is 35 and the sum of their squares is 285.

Q2 Show that the matrix  $A = \begin{pmatrix} 2 & -1 & 1 \\ -1 & 2 & -1 \\ 1 & -1 & 2 \end{pmatrix}$  satisfies the equation

(10)

$A^3 - 6A^2 + 9A - 4I = O$  and hence deduce  $A^{-1}$

OR

Use the principle of mathematical induction to prove that

(10)

$$1^3 + 2^3 + 3^3 + \dots + n^3 = \left(\frac{n(n+1)}{2}\right)^2$$

Q4 For the following transaction matrix, find the gross output for each industry for the final demands 18 and 44 units respectively. (10)

Industry	Input To		Final demand
	I	II	
I	16	20	4
II	8	40	32

OR

P.T.O.

[2-1]

Q5 The total cost  $C(x)$  of a firm is:  $C(x) = 1500 + 30x + x^2$ , where  $x$  is the output. Determine: (10)

- (i) The Average Cost  
 (ii) The Marginal Cost  
 (iii) The Marginal Cost when 20 units are produced  
 (iv) The actual cost of producing twenty first unit

Q6 Solve the following system of linear equations using Gauss Jordan Elimination method: (10)

$$\begin{aligned} X + 2y + 3z &= 1 \\ X + 3y + 5z &= 2 \\ 2x + 5y + 9z &= 3 \end{aligned}$$

OR

Q7 (i) If  $y = \sqrt{u}$  and  $u = 5 + 7x + x^3$ , find  $dy/dx$ .

(10)

(ii) Find  $dy/dx$  if  $x = (1-t)/(1+t)$  and  $y = 2t^3 + 4t$

Q8 After producing 35 units, a company determines that its production facility is following a learning curve of the form  $f(x) = 1000x^{-1/2}$ , where  $f(x)$  is the number of hours of direct labour required to produce the  $x$ th unit. How many total labour-hours should they estimate are required to produce an additional 25 units? (10)

OR

Q9  $\int x \log x \, dx$

(10)

Find the area of the region bounded by the curves  $y = x^2$  and  $y = x$ .

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1, 1  
 2, 4  
 3, 9  
 -2, 4  
 -3, 9



# END TERM EXAMINATION

FIRST SEMESTER [BBA] DECEMBER 2024

Paper Code: BBA/BBA(B&I)/BBA(CAM)-113  
BBA/BBA(CAM)-109/  
BBA(B&I)-111

Subject: IT Applications in  
Business

Time: 3 Hours

Maximum Marks: 60

Note: Attempt any five questions in all including QNo1 which is compulsory.

Q1 ATTEMPT ANY FOUR OF THE FOLLOWING QUESTIONS.

(4x5=20)

- a) Write a short note on OCR and its working.
- b) Define Barcode Reader and its working.
- c) Define Cloud Computing with its advantages and drawbacks.
- d) Explain Database and its advantage over File Processing System(FPS)
- e) Explain the different types of computer languages with example.
- f) What is What- If analysis. How to create summaries in Scenario Manager?
- g) What is Macro feature in word processor. Write the steps to create a macro for your name.
- h) Explain Communication modes with the help of diagram with example.

Q2 Define Computer? Define some of its important Characteristics. Draw a neat and clean block diagram to illustrate the organization of computer and explain the working of each component. (10)

OR

Q3 Explain different types of Printers in detail with diagram. (10)

Q4 What do mean by Operating System? Why it is necessary for a Computer System? Explain functions of Operating System in detail. (10)

OR

Q5 Differentiate between application software v/s system software and Compiler, Interpreter, Assembler. What are Language Translators and they fall under which software category? Justify your answer. (10)

Q6 Explain with example and formula in MS Excel

- a) SumIF
- b) Today
- c) Countif
- d) CountA
- e) NOW

(10)

OR

Q7 What is the purpose of Pivot table in MS Excel? Write the steps to create Pivot table and Pivot Chart. How a Pivot Chart is different than Other Charts. (10)

Q8 Explain OSI Model and its working in detail with the help of a diagram. (10)

OR

Q9 Write a short note on Any 2 from the following:

- a) Application of IT in Education Sector
- b) LAN, MAN, WAN
- c) Networking Devices
- d) Differentiate between Intranet, Extranet and Internet.

(10)



# END TERM EXAMINATION

FIRST SEMESTER [BBA] DECEMBER 2024

Paper Code: BBA-105

Subject: Financial Accounting and Analysis

BBA(B&I)-105

BBA(CAM)-105

Time: 3 Hours

Maximum Marks: 60

Note: Attempt five questions in all including Q.No 1 which is compulsory. Internal choice is indicated.

Q1 Attempt **Any Four** of the following questions: (4x5=20)

a) "Revenue is recognized when a sales transaction is made or when services are rendered". State three exceptions to this general rule.

b) Goods costing Rs. 10,000 damaged by fire and Insurance Company accepted claim of 80% of loss and Cheque is received from Insurance Company. Pass necessary journal entries.

c) Show the relevant extracts of Profit & Loss A/c and Balance Sheet from the Trial Balance of Pioneer Sports:

Trial balance (Extract) as at 31<sup>st</sup> March, 2024

Head of Accounts	L.F.	Dr. (Rs.)	Cr. (Rs.)
Sundry Debtors		1,00,000	
Bad Debts		2,500	
Provision for Doubtful Debts			8,000

Adjustment: Provide for Doubtful Debts @ 5 % on sundry debtors.

d) 'Capital is a Liability for the business.' Explain this statement with the principle applied.

e) Differentiate between Right shares and Bonus shares.

f) General traders Ltd. purchased a running business of Pawan Retail Ltd. for Rs 6,00,000 payable 10% by cheque and balance by issue of fully paid equity shares of Rs 100 each at a premium of 20%. The assets & liabilities were taken over were as follows:

Building	Rs 2,60,000
Plant & Machinery	Rs 1,00,000
Stock	Rs 2,00,00
Trade receivables	Rs 1,00,000
Trade payables	Rs 80,000

Pass the necessary journal entries in the books of General Trades Ltd.

g) Differentiate between Provisions and Reserves.

h) Explain the issues and challenges of Green Accounting.

Q2 What do you mean by accounting? Who are the parties interested in accounting information. (10)

OR

Q3 Explain IFRS. What are the inclusions of Financial Statements under IFRS? What is the difference between Indian Accounting Standard (Ind-AS) and Accounting Standards? (10)

Q4 Prepare Trading and Profit & Loss Account for the year ended 31<sup>st</sup> March, 2024 and Balance Sheet as at that date from the following Trial Balance: (10)

P.T.O.



Heads of Accounts	L.F.	Dr. (Rs.)	Cr. (Rs.)
Capital		15,000	1,00,000
Cash		1,20,000	20,000
Bank Loan		10,000	1,50,000
Purchases		22,000	20,000
Sales Return		5,000	...
Purchases Return		5,000	...
Salary Expenses		5,000	...
Insurance		7,000	...
Bad Debts		82,000	45,000
Provision for Doubtful Debts		...	5,000
Debtors		...	...
Creditors		40,000	...
Commission		30,000	...
Deposits		14,000	...
Opening Stock		6,000	...
Drawings		10,000	...
Furniture		10,000	...
Input CGST		10,000	...
Output CGST		...	8,000
Input SGST		...	8,000
Output SGST		...	6,000
Output IGST		...	6,000
<b>Total</b>		<b>3,69,000</b>	<b>3,69,000</b>

Adjustments:

- a) Salaries of Rs,3000 are outstanding but Insurance Rs.500 is prepaid.
- b) Commission Rs.1,000 received in advance for the next year.
- c) Interest Rs.2,100 is to be received on Deposits and Interest on Bank Loan Rs.3,000 is to be paid.
- d) Provision for doubtful debts is to be maintained at Rs. 10,000
- e) Depreciate furniture by 10%.
- f) Closing Stock (at cost) as on 31<sup>st</sup> March,2024 was Rs.45,000 and its net Realisable Value (Market Value) was Rs.50,000
- g) A fire occurred on 1<sup>st</sup> April, 2024 destroying goods costing Rs.10,000. The stock was fully insured (ignore GST).

OR

Q5 Prepare Two column Cash Book from the following Transactions of Mani, Kochi: (10)

2024	
March 1	Cash in Hand Rs. 15,000; Cash at Bank Rs.5,000
March 3	Purchased goods for cash Rs. 6,720; received cash discount of Rs.220
March 5	Deposited in the bank Rs.5,000
March 7	Cash Sales Rs.10,000
March 10	Cash withdrawn from Bank Rs.2,000
March 15	Received 3 months post dated cheque of Rs.20,000 from Raj & discounted from bank paying discounting charges Rs.750
March 18	Received Cheque from Deepak for Rs.5,000 (not banked), allowed discount Rs.20
March 20	Cheque received from Deepak deposited in the bank
March 22	Paid to Chandra by Cheque Rs.2,50; received discount Rs.100
March 25	Withdrawn from bank for personal use Rs.1,000
March 28	Sold goods to Ashok for Rs.10,000
March 30	Purchased goods from Chandar for Rs.20,000
March 31	Received cheque from Ashok Rs.5,000 and deposited in bank, allowed cash discount Rs.200

Q6 Explain the term Inflation Accounting. State its importance and need. (10)

OR

Q7 Explain the significance of Depreciation? What factors should be considered for determining the amount of depreciation? (10)

Q8 Lotus Ltd invited applications for issuing 80,000 equity shared of Rs 10 each at a premium of 4 per share. The amount was payable as follows:  
 On application Rs 5 per share, and  
 On allotment Rs 9 per share (included premium)  
 Applications were received for 1,40,000 shares and allotment was made to all applicants on pro rata basis. Money overpaid on applications was adjusted towards sums due on allotment. Rajeev, who had applied for 1400 shares, failed to pay the allotment money. His shares were forfeited. Later on, these forfeited shares were reissued at Rs9 per share as fully paid-up.  
 Pass necessary Journal entries for the above transactions in the books of Lotus Ltd. (10)

OR

Q9 Differentiate between the following: (10)

- a) Capital Reserve and Reserve Capital
- b) Calls in arrears and Calls in advance

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