



Date: 18-09-2025

**GAUHATI UNIVERSITY**  
**CENTRE FOR DISTANCE AND ONLINE EDUCATION**

**HOME ASSIGNMENT**

**Master in Commerce (M.Com.)**

**Semester – II (Session: 2024-2025, July-August)**

**Guidelines for Submission:**

1. Learners who have been admitted in the Academic Session (2024-25, July-August) will write the Home Assignment.
2. Learners should write their **Roll Number, GU Registration Number, Subject, Semester, Paper Title, Paper Code** and **Name of the Study Center** clearly on the first page of the answer script in the space provided.
3. The formats of the answer scripts are available at, and can be downloaded from, the GUCDOE website ([www.gucdoe.in](http://www.gucdoe.in)).
4. There will be 2 (two) compulsory questions in each paper with options (Total Marks: 2 questions x 10 marks = 20 marks).
5. **Typed/Computerized answers will not be accepted.** Learners will write the answers neatly in their own handwriting.
6. Answer to a 10 mark question should not exceed 400 words.
7. Learners should not submit any plagiarized answers as such a practice is deemed to be unfair.
8. Learners of different Study Centers under GUCDOE will mandatorily submit the answer scripts at their respective Study Centers.
9. Learners of GUCDOE center will submit their answer scripts at GUCDOE Office.
10. **Last Date of Submission: 10<sup>th</sup> October, 2025.**

**PAPER: COM 2016 (Economic Legislations)**

Answer **any two** from the following questions:

**2 x 10 = 20**

**Q. No. 1.** Discuss the role of the Reserve Bank of India under FEMA in monitoring foreign exchange transactions. How does this role differ from that under the earlier FERA regime?

**10**

**OR**

Examine the challenges faced in enforcement of the Prevention of Money Laundering Act in cases involving cross-border money laundering.

**10**

**Q. No. 2.** Evaluate the impact of the RTI Act on governance in India. Support your answer with real-life examples where RTI led to significant policy or administrative changes.

**10**

**OR**

Analyse SEBI's regulatory approach towards credit rating agencies. How effective has SEBI been in maintaining rating credibility post major defaults?

**10**

**PAPER: COM 2026 (Organisational Behaviour)**

Answer **any two** from the following questions:

**2 x 10 = 20**

**Q. No. 1.** Discuss Organisational Behaviour Framework. Highlight the emerging issues and challenges in Organisational Behaviour.

**6 + 4 = 10**

**Q. No. 2.** Discuss in brief the various theories of Motivation.

**10**

**Q. No. 3.** Explain the various stages of group formation. Explain the concept of organisational conflict? What are the causes of organisational conflict.

**4 + 2 + 4 = 10**

**PAPER: COM 2036 (Operations Research & Computer in Business)**

Answer the following questions:

2 x 10 = 20

**Q. No. 1.** Explain the role of Operations Research models in managerial decision-making. Also, write any two advantages and limitations of Operations Research models.

5 + 5 = 10

**OR**

Define linear programming problem. Write its uses. Solve the following LPP graphically.

1 + 3 + 6 = 10

Maximize  $z = 3x_1 + 4x_2$   
Subject to  $4x_1 + 2x_2 \leq 80$   
 $2x_1 + 5x_2 \leq 180$   
 $x_1 \geq 0, x_2 \geq 0$

**Q. No. 2.** A government agency is planning to build a computer-based information system for managing public grievances.

10

- Critically analyze whether an open system or closed system model would be more effective in this context.
- What hidden risks or trade-offs might arise if the wrong type of system is selected?

**OR**

During the system analysis phase, analysts often use interviews and questionnaires to gather requirements. However, these tools can unintentionally introduce bias or miss critical user needs.

10

Suppose you are designing an online library information system for a university.

Critically evaluate how reliance on traditional tools could distort the requirements.

Propose an alternative, structured approach (using DFDs, decision tables, etc.) to reduce this risk.

**PAPER: COM 2046 (ADVANCED FINANCIAL MANAGEMENT)**

Answer any two from the following questions:

2 x 10 = 20

**Q. No. 1.** What are the objectives of Financial Management? Explain the role of finance managers in different functional areas of finance.

5 + 5 = 10

**Q. No. 2.** Discuss the Net income approach and Net operating income approach of capital structure theories.

5 + 5 = 10

**Q. No. 3.** Explain the concept of working capital management. Discuss the various sources of financing working capital.

5 + 5 = 10

**PAPER: COM 2056 (SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT)**

Answer any two from the following questions:

2 x 10 = 20

**Q. No. 1. Case Study 1 – Portfolio Construction in a Volatile Market**

10

You are a portfolio manager at Unity Capital, an Indian investment firm. You are tasked with building a Rs.50 crore equity portfolio for a risk-averse institutional investor who requires at least 12% annual return but wants minimum volatility.

Given Data:

You have the choice of 5 Stocks (A–E) with the following expected returns, standard deviations and correlations:

Stocks	Expected Return(%)	Standard Deviation(%)
A	14	18
B	10	12
C	16	20
D	9	8
E	12	14

Additional info: Correlation matrix is provided (exam would include numbers).

Tasks

1. Use Markowitz Risk-Return Optimization to find the efficient frontier and select the optimal portfolio.
2. Apply CAPM to check whether each stock is underpriced or overpriced.
3. Show how adding a risk-free asset changes the investor's position on the CML
4. Discuss the potential effect of Efficient Market Hypothesis on your stock selection strategy.

### Q. No. 2. Case Study 2 – Portfolio Revision after Market Shock

10

Your client's portfolio consists of:

Stock	Investment (Cr)	Beta	Expected Return (%)	Actual Return Last Year (%)
X	10	1.2	15	8
Y	15	0.9	12	14
Z	25	1.4	18	6

Risk-free rate = 6%

Market return = 10%

Suddenly, the government announces unexpected tax reforms and interest rate cuts, changing the macroeconomic outlook.

Tasks:

1. Evaluate portfolio performance using Sharpe, Treynor, and Jensen's Alpha.
2. Suggest a portfolio revision strategy to improve returns while maintaining same risk level.
3. Demonstrate how a derivative-based hedging strategy using Nifty futures can protect against downside risk in the next quarter.
4. Assess whether the portfolio was aligned with the efficient frontier before the shock.

### Q. No. 3. Case Study 3 – Index Construction and Arbitrage

10

You are assigned to design a sector-specific stock market index for the Indian renewable energy sector.

Given:

- 7 companies with different market caps, stock prices, and outstanding shares.
- Historical daily prices for 6 months (data provided in exam).

Tasks:

1. Construct a market-cap weighted index and a price-weighted index, explaining the pros & cons of each method.
2. Simulate index value movement during a week when two companies announce major earnings surprises (one positive, one negative).
3. Identify an index arbitrage opportunity using Nifty futures and options.
4. Analyse how factors influencing index construction could bias investor perception.

**Q. No. 4. Case Study 4 – Derivative Strategy for Portfolio Management****10**

An Indian mutual fund holds the following portfolio:

Asset Class	Market Value (Cr)	Beta
Large-cap Equities	80	1.1
Mid-cap Equities	50	1.4
Government Bonds	30	0.2

Risk-free rate = 5%

Market expected return = 11%

Nifty Futures: Spot = 20,000, Futures Price = 20,150, Lot size = 50

Tasks:

1. Determine the hedge ratio and the number of Nifty futures contracts needed to reduce portfolio beta to 0.8.
2. Evaluate whether the futures market is in contango or backwardation, and explain the implications.
3. Create a protective put strategy using index options to safeguard against a 10% market decline.
4. Critically assess the trade-off between hedging cost and expected return in portfolio management.

**PAPER: COM 2066 (Strategic Human Resource Management)**

Answer **any two** from the following questions:

**2 x 10 = 20**

**Q. No. 1.** With examples, discuss how HR can contribute at the Board Room level in leading organizational change. **10**

**Q. No. 2.** Differentiate between Seniority-based and Merit-based promotions. Which is more suitable in today's competitive environment? Justify. **10**

**Q. No. 3.** Critically evaluate the role of leadership in reducing internal conflict and promoting work-life balance. **10**

**Q. No. 4.** "Human Resource Accounting (HRA) is essential to quantify the intangible." Evaluate different methods of valuation with suitable examples. **10**

**PAPER: COM 2076 (Marketing Research and Consumer Behaviour)**

Answer **any two** from the following questions:

**2 x 10 = 20**

**Q. No. 1.** Discuss the importance of consumer behaviour in Marketing . Explain the variables that influence consumer behaviour. **5 + 5 = 10**

**Q. No. 2.** Discuss the advantages and drawbacks of various data collection methods. **10**

**Q. No. 3.** Write short notes on (any two) **5 + 5 = 10**

- a) Social influence on Consumer Behaviour
- b) Marketing Research Process
- c) Psychological concepts in consumer behaviour.



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**Gauhati University**  
দূৰ আৰু অনলাইন শিক্ষা কেন্দ্ৰ  
**Centre for Distance and Online Education**

**ASNWESCRIPT FOR HOME ASSIGNMENT**

**Roll Number (8 digit):** .....

*(GUCDOE Enrollment No)*

**G.U. Registration No.:** .....

**Programme Name:** .....

**Semester:** .....

**Paper Title:** .....

**Paper Code:** .....

**Name of the Study Centre:**.....

**N.B.:** Please note that the Name of the Candidate should not be mentioned anywhere. If found, the answer script will not be evaluated.)































