



Mangalmay Institute of Management Technology
Greater Noida (U.P.)



MANGALMAY
INSTITUTE OF MANAGEMENT TECHNOLOGY

Greater Noida



ADD ON
CERTIFICATION PROGRAM
on
Financial Modelling

BBA 2nd Year students

Date: 19th September, 2023 to 19th October, 2023

Time: 11:00 AM - 1:00 PM | Venue: Room No. 203, B Block

Coordinator:

Mr. Sachin Kumar



Resource Person

Ms. Janvi

Toll-Free : 1800 103 3797 | www.mangalmay.net.in
Plot No. 8 & 9, Knowledge Park-II, Greater Noida, Delhi-NCR, India



Mangalmai Institute of Management Technology Greater Noida (U.P.)



Mangalmai Institute of Management Technology Greater Noida (U.P.)

NAAC
ACCREDITED
2020

Date- 25 January 2024

NOTICE

MIMT is organizing an Add-on certification course on “**Financial Modelling**” starting from 19th September, 2023 in Room No.203, Block B, MIMT. This is to inform that all BBA 2nd Year students of the Management Department can enroll for the same.

The details of the certification is given below:

Program Details :-

Date: 19th September, 2023 to 19th October, 2023
Time: 11:00 AM - 1:00 PM
Venue: Room No.203, Block B, MIMT
Participants: Students of BBA 2nd Year
Resource Person: Ms. Janvi
Coordinator: Mr. Sachin Kumar
Registration: Interested students can give their names to the coordinator latest by 29/03/24


Associate Dean
MIMT

CC to:

Principal, MIMT

IQAC, MIMT

HODs/Coordinators

Faculty Members

Student Notice Board

Office File



Syllabus
(32 Hours)

Module	Hours (Session)	Course Contents
Module 1	4 Hours (S1-S2)	Introduction to Financial Modeling 1. Introduction to Financial Modeling <ul style="list-style-type: none">• Overview of financial modeling 2. Importance and Applications of Financial Modeling <ul style="list-style-type: none">• Introduction to Excel and basic functions for financial modeling
Module 2	4 Hours (S3-S4)	Financial Statement Analysis 1. Financial Statements Analysis <ul style="list-style-type: none">• Understanding and interpreting financial statements (Balance Sheet, Income Statement, Cash Flow Statement) 2. Ratio Analysis for Financial Performance Evaluation <ul style="list-style-type: none">• Forecasting financial statements
Module 3	4 Hours (S5-S6)	Time Value of Money and Discounted Cash Flow (DCF) 1. Time Value of Money and Discounted Cash Flow (DCF) Analysis <ul style="list-style-type: none">• Time value of money concepts (present value, future value, discount rate) 2. Discounted Cash Flow (DCF) Analysis Principles <ul style="list-style-type: none">• Building DCF models to value investments or projects
Module 4	4 Hours (S7-S8)	Valuation Techniques 1. Valuation Techniques <ul style="list-style-type: none">• Overview of valuation methods (comparable company analysis, precedent transactions, discounted cash flow) 2. Building Valuation Models <ul style="list-style-type: none">• Sensitivity analysis and scenario testing in valuation
Module 5	8 Hours (S9-S12)	Financial Modeling for Investments and Budgeting 1. Financial Modeling for Investments <ul style="list-style-type: none">• Investment analysis techniques 2. Building Models for Analyzing Investment Opportunities <ul style="list-style-type: none">• Risk assessment and mitigation in investment modeling 3. Budgeting and Forecasting <ul style="list-style-type: none">• Principles of budgeting and forecasting 4. Building Budgeting Models <ul style="list-style-type: none">• Rolling forecasts and scenario planning



Module 6	8 Hours (S13-S16)	<p>Advanced Excel and Practical Applications in Financial Modeling</p> <ol style="list-style-type: none"> 1. Advanced Excel for Financial Modeling <ul style="list-style-type: none"> • Advanced Excel functions for financial modeling (lookup functions, data validation, pivot tables) 2. Macros and Automation in Financial Modeling <ul style="list-style-type: none"> • Tips and tricks for efficient financial modeling in Excel 3. Case Studies and Practical Applications <ul style="list-style-type: none"> • Case studies based on real-world financial scenarios 4. Practical Application of Financial Modeling Techniques <ul style="list-style-type: none"> • Presentation and communication of financial analysis results
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Schedule

Session	Content	Time	Date
S1	1) Introduction to Financial Modeling 2) Overview of financial modeling	11:00 AM - 1:00 PM	19th September, 2023
S2	1) Importance and applications of financial modeling 2) Introduction to Excel and basic functions for financial modeling	11:00 AM - 1:00 PM	20th September, 2023
S3	1) Financial Statements Analysis 2) Understanding and interpreting financial statements (Balance Sheet, Income Statement, Cash Flow Statement)	11:00 AM - 1:00 PM	21st September, 2023
S4	1) Ratio analysis for financial performance evaluation 2) Forecasting financial statements	11:00 AM - 1:00 PM	22nd September, 2023
S5	1) Time Value of Money and Discounted Cash Flow (DCF) Analysis 2) Time value of money concepts (present value, future value, discount rate)	11:00 AM - 1:00 PM	25th September, 2023
S6	1) Discounted cash flow (DCF) analysis principles 2) Building DCF models to value investments or projects	11:00 AM - 1:00 PM	26th September, 2023
S7	1) Valuation Techniques 2) Overview of valuation methods (comparable company analysis, precedent transactions, discounted cash flow)	11:00 AM - 1:00 PM	27th September, 2023
S8	1) Building valuation models 2) Sensitivity analysis and scenario testing in valuation	11:00 AM - 1:00 PM	29th September, 2023
S9	1) Financial Modeling for Investments 2) Investment analysis techniques	11:00 AM - 1:00 PM	3rd October, 2023
S10	1) Building models for analyzing investment opportunities (stocks, bonds, real estate)	11:00 AM - 1:00 PM	5th October, 2023



	2) Risk assessment and mitigation in investment modeling		
S11	1) Budgeting and Forecasting 2) Principles of budgeting and forecasting	11:00 AM - 1:00 PM	6th October, 2023
S12	1) Building budgeting models 2) Rolling forecasts and scenario planning	11:00 AM - 1:00 PM	9th October, 2023
S13	1) Advanced Excel for Financial Modeling 2) Advanced Excel functions for financial modeling (lookup functions, data validation, pivot tables)	11:00 AM - 1:00 PM	11th October, 2023
S14	1) Macros and automation in financial modeling 2) Tips and tricks for efficient financial modeling in Excel	11:00 AM - 1:00 PM	13th October, 2023
S15	1) Case Studies and Practical Applications 2) Case studies based on real-world financial scenarios	11:00 AM - 1:00 PM	17th October, 2023
S16	1) Practical application of financial modeling techniques 2) Presentation and communication of financial analysis results	11:00 AM - 1:00 PM	19th October, 2023
	Assessment	11:00 AM - 12:00 PM	20th October, 2023



	Report
Name of Activity	Financial Modelling
Date	19th September, 2023 to 19th October, 2023
Venue	Room No.203,Block B, MIMT
Organised by	Management Department
Participation by	BBA 2nd Year students
No. of Participants	88
Resource Person	Ms. Janvi (Faculty,MIMT)
Activity Convener	Mr. Sachin Kumar
Objective	<p>The objective of a Financial Modeling add-on course is to equip individuals with practical skills to analyze and forecast financial performance. It aims to deepen understanding of financial concepts like valuation and risk assessment. Participants learn to construct comprehensive financial models using tools like Excel or specialized software. The course emphasizes real-world applications in investment analysis, budgeting, and strategic planning. It enhances decision-making abilities by assessing various scenarios and their implications. Effective communication of financial analysis to stakeholders is a key focus. The course provides a competitive edge in finance-related careers and prepares for certification exams. Ultimately, it empowers individuals to make informed financial decisions and contribute value to organizations.</p>
Content	<p>Day 1: Introduction to Financial Modeling</p> <p>On the first day, the resource person delivered a comprehensive introduction to financial modeling. They explained what financial modeling entails and its significance in the business world. The session covered the basic concepts and principles of financial modeling, highlighting how these models are used to represent the financial performance of a company. The resource person provided an overview of the different types of financial models, such as those used for valuation, forecasting, and investment analysis. They emphasized the importance of accuracy and reliability in building financial models, as these models are crucial for decision-making. Real-life examples of financial models were shared to give participants a clear understanding of their practical applications. The session concluded with a brief Q&A, where participants could clarify their doubts and discuss their initial impressions of financial modeling.</p> <p>Day 2: Importance and Applications of Financial Modeling</p>



On the second day, the resource person highlighted the importance and diverse applications of financial modeling. They explained how financial models are used by various stakeholders, including investors, financial analysts, and business managers, to make informed decisions. The session delved into the practical uses of financial modeling in areas such as corporate finance, investment banking, and strategic planning. Participants learned about the role of financial models in evaluating investment opportunities, forecasting financial performance, and assessing the impact of different business strategies. The resource person introduced Excel as a primary tool for financial modeling, covering basic functions and features essential for building robust models. Practical demonstrations and examples were provided to help participants become familiar with Excel's capabilities.

Day 3: Financial Statements Analysis

On the third day, the resource person focused on the analysis of financial statements. They explained the importance of understanding and interpreting key financial statements, including the Balance Sheet, Income Statement, and Cash Flow Statement. Participants learned how these statements provide a comprehensive view of a company's financial health and performance. The resource person discussed the various components of each financial statement and how they interrelate. Through practical examples and exercises, participants practiced analyzing financial statements to identify trends, evaluate financial performance, and assess the overall financial position of a company. This session equipped participants with the foundational skills needed for financial analysis.

Day 4: Ratio Analysis for Financial Performance Evaluation

On the fourth day, the resource person introduced ratio analysis as a tool for evaluating financial performance. They explained how financial ratios are calculated and interpreted to assess a company's profitability, liquidity, solvency, and efficiency. The session covered key financial ratios, such as the current ratio, debt-to-equity ratio, return on equity, and gross profit margin. Participants learned how to use these ratios to compare companies within the same industry and to track a company's performance over time. The resource person provided practical examples and case studies to illustrate the application of ratio analysis. Additionally, participants were introduced to the basics of forecasting financial statements, learning how to project future financial performance based on historical data.

Day 5: Time Value of Money and Discounted Cash Flow (DCF) Analysis

On the fifth day, the resource person discussed the concept of the time value of money, a fundamental principle in finance. They explained how the value of money changes over time due to interest rates and inflation. The session covered key concepts such as present value, future value, and discount rate. Participants learned how to calculate the present and future values of cash flows using different discount rates. The resource person introduced the principles of discounted cash flow (DCF) analysis, explaining how it is used to value investments or projects by discounting future cash flows to their present value. Practical exercises allowed participants to apply these concepts and build basic DCF models.



Day 6: Discounted Cash Flow (DCF) Analysis Principles

On the sixth day, the resource person delved deeper into the principles of discounted cash flow (DCF) analysis. They explained the step-by-step process of building DCF models, including estimating future cash flows, determining the appropriate discount rate, and calculating the present value of these cash flows. The session emphasized the importance of accuracy in estimating cash flows and selecting the discount rate. Participants learned how to use DCF models to value investments, such as stocks or projects, and assess their potential returns. The resource person provided real-world examples and guided participants through practical exercises to reinforce their understanding of DCF analysis.

Day 7: Valuation Techniques

On the seventh day, the resource person provided an overview of various valuation techniques. They explained different methods used to value companies and investments, including comparable company analysis, precedent transactions, and discounted cash flow (DCF) analysis. Participants learned how each valuation method has its strengths and limitations and how to choose the appropriate method based on the context. The resource person shared practical examples and case studies to illustrate the application of these valuation techniques. Participants gained insights into the factors that influence company valuations and how to apply these methods in real-world scenarios.

Day 8: Building Valuation Models

On the eighth day, the resource person focused on building valuation models. They guided participants through the process of creating detailed valuation models using Excel. The session covered the structure and components of valuation models, including revenue projections, expense forecasts, and terminal value calculations. Participants learned how to incorporate various assumptions and scenarios into their models to conduct sensitivity analysis and scenario testing. The resource person emphasized the importance of validating and cross-checking assumptions to ensure the reliability of the models. Practical exercises allowed participants to apply their knowledge and build their own valuation models.

Day 9: Financial Modeling for Investments

On the ninth day, the resource person introduced financial modeling for investments. They explained how financial models are used to analyze and evaluate different investment opportunities, such as stocks, bonds, and real estate. Participants learned about investment analysis techniques, including fundamental and technical analysis. The resource person discussed the importance of assessing the risk and return characteristics of investments and how to incorporate these factors into financial models. Through practical examples and case studies, participants gained hands-on experience in building models for analyzing investment opportunities and making informed investment decisions.

Day 10: Building Models for Analyzing Investment Opportunities



On the tenth day, the resource person focused on building models for analyzing investment opportunities. They guided participants through the process of creating detailed investment analysis models using Excel. The session covered various aspects of investment modeling, including revenue and expense projections, cash flow analysis, and risk assessment. Participants learned how to incorporate different investment scenarios and perform sensitivity analysis to evaluate the impact of various factors on investment performance. The resource person emphasized the importance of thorough risk assessment and mitigation strategies in investment modeling. Practical exercises allowed participants to build their own investment analysis models and apply their knowledge in real-world scenarios.

Day 11: Budgeting and Forecasting

On the eleventh day, the resource person introduced the principles of budgeting and forecasting. They explained the importance of creating accurate budgets and forecasts to guide business planning and decision-making. The session covered different types of budgets, including operating budgets, capital budgets, and cash flow budgets. Participants learned how to develop detailed budgets and forecasts based on historical data and future projections. The resource person shared practical examples and best practices for effective budgeting and forecasting. Participants gained insights into the role of budgeting and forecasting in managing financial performance and achieving business objectives.

Day 12: Building Budgeting Models

On the twelfth day, the resource person focused on building budgeting models. They guided participants through the process of creating detailed budgeting models using Excel. The session covered the structure and components of budgeting models, including revenue and expense projections, cash flow analysis, and variance analysis. Participants learned how to create rolling forecasts and perform scenario planning to evaluate different business scenarios. The resource person emphasized the importance of accuracy and flexibility in budgeting models to adapt to changing business conditions. Practical exercises allowed participants to build their own budgeting models and apply their knowledge in real-world scenarios.

Day 13: Advanced Excel for Financial Modeling

On the thirteenth day, the resource person introduced advanced Excel functions for financial modeling. They explained how advanced Excel features, such as lookup functions, data validation, and pivot tables, can enhance the efficiency and accuracy of financial models. Participants learned how to use these functions to manage and analyze large datasets, create dynamic reports, and perform complex calculations. The resource person shared practical examples and tips for using advanced Excel functions in financial modeling. Through hands-on exercises, participants practiced applying these techniques to improve their financial models.

Day 14: Macros and Automation in Financial Modeling

On the fourteenth day, the resource person focused on macros and automation in financial modeling. They explained how macros can automate



	<p>repetitive tasks and improve the efficiency of financial models. Participants learned how to create and use macros in Excel to streamline data entry, perform calculations, and generate reports. The resource person also shared tips and tricks for efficient financial modeling, including best practices for organizing and structuring models. Practical exercises allowed participants to create their own macros and apply automation techniques to enhance their financial models.</p> <p>Day 15: Case Studies and Practical Applications</p> <p>On the fifteenth day, the resource person presented case studies based on real-world financial scenarios. They discussed how financial modeling techniques are applied in various industries and business situations. Participants analyzed the case studies to understand the challenges and solutions involved in financial modeling. The resource person facilitated discussions on the key takeaways and lessons learned from each case study. Through interactive activities, participants applied their knowledge to solve financial modeling problems and develop practical solutions.</p> <p>Day 16: Practical Application of Financial Modeling Techniques</p> <p>On the sixteenth day, the resource person guided participants through the practical application of financial modeling techniques. They explained how to present and communicate financial analysis results effectively. Participants learned how to create clear and concise reports, visualizations, and presentations to convey their findings to stakeholders. The resource person shared best practices for presenting financial models and handling questions from the audience. Practical exercises allowed participants to apply their financial modeling skills to real-world scenarios, develop comprehensive reports, and present their analysis to the group. This session reinforced the practical aspects of financial modeling and effective communication skills.</p>
Assessment	At the end of the Financial Modelling Program there was a MCQ assessment assigned to assess the understanding level of the students.
Outcome of Activity	Upon completion of the 16-day Financial Modeling add-on program, participants emerge equipped with a robust set of skills essential for navigating the complexities of financial analysis and decision-making. They gain proficiency in constructing intricate financial models using Excel or specialized software, enabling them to accurately interpret and forecast financial statements, evaluate investments, and conduct sensitivity analyses. Moreover, they acquire the ability to develop budgeting models and assess investment opportunities while effectively communicating their findings to stakeholders. Mastery of advanced Excel functions enhances their efficiency in modeling tasks, while exposure to real-world case studies further solidifies their understanding and application of financial concepts.



List of Beneficiaries

S. No.	Roll Number	Student Name	Registered
1	220992105004	ABHINAV RAY	Registered
2	220992105006	ABHISHEK	Registered
3	220992105010	ABHISHEK NAGAR	Registered
4	220992105012	ADARSH ASHISH	Registered
5	220992105024	ADITYA KUMAR SINGH	Registered
6	220992105027	ADITYA SETH	Registered
7	220992105029	ADITYA SINGH	Registered
8	220992105031	AISHA PARWEEN	Registered
9	220992105036	AKASH BHATI	Registered
10	220992105039	AKASH TEOTIA	Registered
11	220992105043	AKSHAN GARG	Registered
12	220992105045	AKSHAT GARG	Registered
13	220992105047	AKSHAYA ROY	Registered
14	220992105049	ALOK AGRAHARI	Registered
15	220992105056	AMAN KUMAR SINGH	Registered
16	220992105059	AMIT KUMAR MISHRA	Registered
17	220992105072	ANKIT KUMAR SINHA	Registered
18	220992105074	ANKIT VERMA	Registered
19	220992105077	ANKUSH	Registered
20	220992105081	ANMOL SONAR	Registered
21	220992105092	ARJUN	Registered
22	220992105095	ARTI CHOUDHARY	Registered
23	220992105097	ARYAN SINGH	Registered
24	220992105099	ASHISH KR SINGH	Registered
25	220992105115	BHUMIKA BHARDWAJ	Registered
26	220992105117	BISHAL KUMAR PRASAD	Registered
27	220992105121	DEEPAK KUMAR PRAJAPATI	Registered
28	220992105124	DEEPIKA WADHWANI	Registered
29	220992105133	DIVYA CHAUHAN	Registered



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30	220992105135	DIVYANSH	Registered
31	220992105148	GUNN KUMARI	Registered
32	220992105151	HARSH	Registered
33	220992105158	HARSH NAGAR	Registered
34	220992105162	HARSHIT NEGI	Registered
35	220992105170	HIMANSHU KUMAR	Registered
36	220992105173	HIMANSHU SINGH	Registered
37	220992105185	KASHISH CHAUHAN	Registered
38	220992105187	KESHAV	Registered
39	220992105190	KHUSHI KUMARI	Registered
40	220992105193	KISHI	Registered
41	220992105211	KUSH TOMAR	Registered
42	220992105213	LAKSHAY GARG	Registered
43	220992105215	LAKSHYA VERMA	Registered
44	220992105217	MADHAV GUPTA	Registered
45	220992105225	MANISH BANSAL	Registered
46	220992105227	MANSHA SHARMA	Registered
47	220992105229	MANTHAN RAJ	Registered
48	220992105232	MD AUN KHAN	Registered
49	220992105247	MRIGANGO SIL	Registered
50	220992105250	NAITIK	Registered
51	220992105253	NANDINI	Registered
52	220992105255	NEELAM AMBAWATA	Registered
53	220992105267	NITISH BHATIA	Registered
54	220992105269	PALLAVI MISHRA	Registered
55	220992105276	PRAGATI MAURYA	Registered
56	220992105278	PRANAV VIDYARTHI	Registered
57	220992105283	PREET KAUR	Registered
58	220992105286	PRINCE LOHIYA	Registered
59	220992105289	PRIYANSHU KUMAR	Registered
60	220992105291	PRIYANSHU KUMARI	Registered
61	220992105300	RAHUL RAI	Registered
62	220992105304	RAJAT PATWA	Registered
63	220992105319	ROHAN	Registered



64	220992105323	ROHIT PATHAK	Registered
65	220992105325	RUBY VERMA	Registered
66	220992105328	SAGAR TIWARI	Registered
67	220992105335	SAKSHAM VERMA	Registered
68	220992105338	SAMAD	Registered
69	220992105343	SANCHIT ABBI	Registered
70	220992105346	SANJEEV	Registered
71	220992105350	SAUMYA SINGH	Registered
72	220992105356	SHAH HUSSAIN KHAN	Registered
73	220992105367	SHIVAM	Registered
74	220992105369	SHIVAM PANDEY	Registered
75	220992105381	SIVAM RAJ	Registered
76	220992105383	SNEHA	Registered
77	220992105391	SRIJAN MISHRA	Registered
78	220992105395	SUJAL KUMAR	Registered
79	220992105397	SUJEET	Registered
80	220992105399	SUMIT CHAUDHARY	Registered
81	220992105401	SUMIT YADAV	Registered
82	220992105403	SUNAINY KUMARI	Registered
83	220992105427	TRIPTI SHARMA	Registered
84	220992105430	TUSHAR	Registered
85	220992105452	VISHAL KUMAR MANJUL	Registered
86	220992105454	VISHNUJEE YADAV	Registered
87	220992105456	VIVEK SHARMA	Registered
88	220992105458	YASH MEHRA	Registered

Status of Students for Add on certificate of Financial Modelling:-

S. No.	Roll Number	Student Name	Registered	Status
1	220992105004	ABHINAV RAY	Registered	Completed
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77	220992105391	SRIJAN MISHRA	Registered	Completed
78	220992105395	SUJAL KUMAR	Registered	Completed
79	220992105397	SUJEET	Registered	Completed
80	220992105399	SUMIT CHAUDHARY	Registered	Completed
81	220992105401	SUMIT YADAV	Registered	Completed
82	220992105403	SUNAINY KUMARI	Registered	Completed
83	220992105427	TRIPTI SHARMA	Registered	Completed
84	220992105430	TUSHAR	Registered	Completed
85	220992105452	VISHAL KUMAR MANJUL	Registered	Completed
86	220992105454	VISHNUJEE YADAV	Registered	Completed
87	220992105456	VIVEK SHARMA	Registered	Completed
88	220992105458	YASH MEHRA	Registered	Completed



PROFILE OF THE RESOURCE PERSON

Ms. Janvi

Graduate from Delhi University and post graduation from Panjab University, NTA UGC NET qualified professional, started her career as an Assistant Professor. She is a self-directed, action-oriented professional, and has a rich experience of teaching and administrative service. She is a dedicated, resourceful and goal-driven professional educator with a solid commitment to research and teaching.



4+ Years of teaching experience.

Photograph Glimpses



Ms. Janvi updating students about a basic guide to follow on financial modelling



Learning the macros and automation in financial modeling

Sample Certificate



CERTIFICATE

It is to certify that **Mr./Ms. ABHINAV RAY** of **BBA 2nd year** has successfully completed **32 hours** certification course on "**Financial Modelling**" from **19/09/2023 to 19/10/2023** organized by Mangalmay Institute of Management & Technology, Greater Noida.

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Sample Assessment



27
30

Course: BBA

Time: 1 hour

ADD-ON COURSE QUIZ
Course Name: Financial Modelling

Name - Abhinav Roy Roll no - 220992105004 Invigilator Sign - [Signature]
Batch - 2022-25 Date - 20-10-2023 Semester - 3rd

General Instructions: All questions are compulsory. Each question will carry '1' mark and there is no 'Negative Marking'

1) What is the primary purpose of financial modeling?

- A. To design marketing strategies
- B. To represent a company's financial performance
- C. To develop human resources policies
- D. To create product designs

2) Which of the following is a common output of financial modeling?

- A. Business plan
- B. Income statement
- C. Balance sheet
- D. Cash flow projections

3) Which Excel function is often used to forecast future values in financial models?

- A. SUM
- B. VLOOKUP
- C. NPV
- D. FORECAST

4) What does NPV stand for in financial modeling?

- A. Net Present Value
- B. New Product Value
- C. Net Profit Value
- D. New Present Value

5) In financial modeling, what does 'sensitivity analysis' assess?

- A. The impact of changing one variable at a time on the overall model
- B. The company's marketing strategy
- C. The human resources policies
- D. The product development process



6) Which of the following is an assumption commonly made in financial models?

- A. Historical data is irrelevant
- B. Interest rates remain constant
- C. Marketing strategies are fixed
- D. Product designs do not change



7) What is the primary tool used for financial modeling?

- A. Microsoft Word
- B. Microsoft PowerPoint
- C. Microsoft Excel
- D. Microsoft Access



8) What does the DCF method stand for in financial modeling?

- A. Direct Cash Flow
- B. Discounted Cash Flow
- C. Deferred Cash Flow
- D. Determined Cash Flow



9) Which financial statement shows a company's revenues and expenses over a period of time?

- A. Balance Sheet
- B. Income Statement
- C. Cash Flow Statement
- D. Retained Earnings Statement



10) What is the purpose of a balance sheet in financial modeling?

- A. To show the company's revenue
- B. To represent the company's financial position at a specific point in time
- C. To project future cash flows
- D. To outline marketing strategies



11) In financial modeling, what does 'working capital' refer to?

- A. Long-term debt
- B. Fixed assets
- C. Current assets minus current liabilities
- D. Net income





12) Which Excel function calculates the internal rate of return (IRR)?

- A. PV
- B. IRR
- C. NPV
- D. FV

13) What is a 'pro forma' financial statement?

- A. A statement based on historical data
- B. A forward-looking statement based on assumptions and projections
- C. A statement prepared by external auditors
- D. A statement showing actual results only

14) What does EBITDA stand for?

- A. Earnings Before Interest, Taxes, Depreciation, and Amortization
- B. Earnings Before Income, Taxes, Debt, and Amortization
- C. Earnings Before Interest, Tax, Depreciation, and Allowance
- D. Earnings Before Income, Tax, Depreciation, and Allowance

15) Which of the following is a key component of a cash flow statement?

- A. Operating activities
- B. Marketing activities
- C. Human resources activities
- D. Product development activities

16) In financial modeling, what is 'scenario analysis'?

- A. Analyzing the company's past performance
- B. Evaluating different possible future outcomes based on varying assumptions
- C. Reviewing marketing strategies
- D. Assessing the company's organizational structure

17) What is a 'terminal value' in financial modeling?

- A. The value of a company's assets at the end of a project
- B. The value of a company at the end of the forecast period, assuming it continues to grow at a stable rate
- C. The initial investment required for a project
- D. The total revenue generated over a period



18) Which ratio is used to measure a company's liquidity?

- A. Debt-to-equity ratio
- B. Current ratio
- C. Price-to-earnings ratio
- D. Return on equity

19) What does the 'discount rate' represent in a discounted cash flow (DCF) model?

- A. The annual rate of return used to discount future cash flows
- B. The total revenue of a company
- C. The interest expense on debt
- D. The growth rate of sales

20) In financial modeling, what is a 'leveraged buyout' (LBO)?

- A. A company acquisition using a significant amount of borrowed money
- B. A cash-only acquisition
- C. An acquisition with no debt financing
- D. A merger between two companies of equal size

21) Which financial statement provides information about a company's cash inflows and outflows?

- A. Income Statement
- B. Balance Sheet
- C. Cash Flow Statement
- D. Retained Earnings Statement

22) What does the term 'capital expenditures' (CapEx) refer to?

- A. Operating expenses
- B. Long-term investments in fixed assets
- C. Short-term debt payments
- D. Dividend payments

23) Which of the following is an example of a non-operating item in financial modeling?

- A. Revenue from sales
- B. Cost of goods sold
- C. Interest expense
- D. Operating expenses



24) What is the purpose of a 'sensitivity table' in financial modeling?

- A. To present the company's organizational structure
- B. To outline marketing strategies
- C. To analyze how changes in key assumptions affect the model's outcomes
- D. To list the company's products

25) Which of the following best describes 'depreciation' in financial modeling?

- A. The reduction in the value of an asset over time
- B. The increase in the value of an asset over time
- C. The purchase of a new asset
- D. The sale of an old asset

26) What is the main objective of creating a 'bottom-up' financial model?

- A. To use high-level assumptions to forecast financial performance
- B. To build financial forecasts based on detailed, individual components and activities
- C. To ignore operational details
- D. To focus solely on historical data

27) Which Excel function is used to calculate the present value of future cash flows?

- A. FV
- B. PV
- C. SUM
- D. IF

28) What does the 'cost of capital' represent in financial modeling?

- A. The cost of goods sold
- B. The return rate that a company needs to earn to cover the cost of financing its operations
- C. The total revenue generated
- D. The company's profit margin

29) What is the significance of 'forecast accuracy' in financial modeling?

- A. It ensures that historical data is ignored
- B. It helps to make reliable business decisions based on the model's projections
- C. It reduces the need for financial modeling
- D. It eliminates the use of assumptions



30) In financial modeling, what does 'amortization' refer to?

- A. The accumulation of interest on a debt
- ✓ B. The gradual repayment of a loan over time
- C. The depreciation of a fixed asset
- D. The immediate repayment of a debt

