FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester BBA Degree Examination, April 2025

BBA2CJ101 – Business Economics

(FYUGP 2024 Admission)

Time: 2 hours   Max. Marks : 70

PART – A
All questions can be attended.
Each question carries **Three** mark.
Ceiling -24 Marks

		COs	Knowledge Level(KL)	Marks
1	Define Business Economics and explain its significance in decision-making.	CO1	KL1	3
2	What are the three types of business organizations?	CO1	KL1	3
3	Differentiate between microeconomics and macroeconomics	CO1	KL2	3
4	What is opportunity cost? Explain with a suitable example	CO1	KL2	3
5	What is Demand?	CO4	KL1	3
6	What is the importance of demand forecasting?	CO4	KL4	3
7	What is the difference between fixed cost and variable cost?	CO4	KL2	3
8	What is marginal utility?	CO2	KL1	3
9	What do you mean by perfect competition?	CO4	KL1	3
10	List two monetary policy instruments used by central banks and briefly explain them	CO4	KL1	3

PART – B
All questions can be attended.
Each question carries **six marks**.
Ceiling -36 Marks

		COs	Knowledge Level(KL)	Marks
11	Explain the impact of liberalization, privatization, and globalization (LPG) on the Indian economy.	CO5	KL4	6
12	Compare and contrast monopoly and oligopoly market structures.	C05	KL4	6

13	Distinguish between different qualitative demand forecasting methods.	CO4	KL3	6
14	Explain the following types of costs with examples: a) fixed cost, b) variable cost, c) sunk cost, and d) opportunity cost.	CO3	KL4	6
15	Explain in detail about GDP.	C05	KL3	6
16	Explain the importance of fiscal policy in economic growth	CO5	KL5	6
17	Explain the concepts of economies of scale and diseconomies of scale with examples.How do they affect a firm's production costs as it grows in size?	CO5	KL4	6
18	Discuss the cost-output relationship in the short-run and long-run	C05	KL4	6

PART - C
Answer any *one* questions.
Each question carries **Ten** marks.

		COs	Knowledge Level(KL)	Marks
19	Sarah visits an ice cream shop and enjoys the first ice cream cone she eats, but as she continues to consume more cones, her satisfaction gradually decreases. By the fourth cone, she feels almost no enjoyment, and after the fifth cone, she starts feeling uncomfortable. Based on this scenario, explain the theory that describes Sarah's changing level of satisfaction, along with the key assumptions of the theory.	CO4	KL5	10
20	Explain the different types of market structures, their key characteristics, and the assumptions underlying each structure.	C05	KL4	10

1 x 10 = 10 Marks

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester BBA Degree Examination, April 2025

BBA2CJ102 – Financial Management

(FYUGP 2024 Admission)

Time: 2 hours   Max. Marks : 70

PART – A

All questions can be attended.

Each question carries **Three** marks.

Ceiling -24 Marks

		COs	Knowledge Level(KL)	Marks
1	Define cost of capital.	CO2	Understand (U)	3
2	Define dividend policy.	CO2	Remember (R)	3
3	State any four methods of capital budgeting.	CO3	Understand (U)	3
4	Calculate the ARR— initial investment: ₹60,000. Annual flows for the first three years are ₹7,000, ₹10,000, ₹8,000.	CO3	Apply (Ap)	3
5	Explain the term capital structure.	CO2	Understand (U)	3
6	Write a note on net operating income theory.	CO1	Understand (U)	3
7	A person invests ₹40,000 in a savings account with an annual interest rate of 6% compounded annually. Calculate the future value of the investment after 3 years.	CO4	Apply (Ap)	3
8	What is payback period?	CO2	Understand (U)	3
9	A company has the following financial information: Revenue: ₹100,000, Cost of Goods Sold: ₹40,000, Operating Expenses (Salaries, Rent, Utilities, etc.): ₹20,000. Calculate EBIT.	CO4	Apply (Ap)	3
10	A company issues preference shares at ₹100 par with a ₹12 annual dividend. Calculate the cost of preference capital.	CO4	Apply (Ap)	3

PART – B

All questions can be attended.

Each question carries **six** marks.

Ceiling -36 Marks

		COs	Knowledge Level(KL)	Marks
11	Illustrate different sources of financing.	CO2	Understand (U)	6
12	Critically evaluate Gordon's theory of dividend policy.	CO5	Evaluate (E)	6
13	Using compound interest, calculate the future value of a single cash flow of ₹10,000 at 10% annual interest for 5 years.	CO4	Apply (Ap)	6
14	Explain the various types of leasing.	CO5	Understand (U)	6
15	A company issues a 4-year, ₹120 debenture, which can be sold for ₹115. The coupon interest rate is 12% per annum, and the debenture will be redeemed at a 4% premium upon maturity. If the company's tax rate is 30%, calculate the after-tax cost of the debenture.	CO4	Apply (Ap)	6

16	Explain the features of capital budgeting.	CO5	Understand (U)	6
17	A project costs ₹25,000. It has a scrap value of ₹5,000, a project life of 5 years, and an annual average income before depreciation and tax of ₹ 7,200. Assuming the tax rate is 50% and depreciation is on a straight-line basis, find out the ARR.	CO3	Apply (Ap)	6
18	A company is evaluating two projects: • Project X: ₹1,50,000 investment, cash inflows of ₹40,000/year for 5 years, 10% discount rate. • Project Y: ₹2,00,000 investment, cash inflows of ₹50,000/year for 5 years, 10% discount rate. Find the better project using the Discounted Payback Period.	CO3	Analyze (An)	6

PART - C
Answer any *one* question.
Each question carries **Ten** marks.

		COs	Knowledge Level(KL)	Marks
19	What is Modigliani-Miller's irrelevance theory of dividends? Explainthe assumptions of Modigliani-Miller's irrelevance theory of dividends.	CO1	Understand (U)	10
20	From the following information, calculate the net present value of the two projects and suggest which projects should be accepted assuming a discount rate of 10%.	CO3	Evaluate (E)	10

For question 20:

	Project X	Project Y
Initial Investment	20,000	30,000
Estimated Life	5 Years	5 Years
Scrap Value	1000	2000

The profit before depreciation and after taxes (cash flows) are as follows:

Years	1	2	3	4	5
Project X	5,000	10,000	10,000	3,000	2,000
Project Y	20,000	10,000	5,000	3,000	2,000

1 x 10 = 10 Marks

Name: ....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester BBA Degree Examination, April 2025

BBA2CJ103 – Foundations for Business Analytics

(FYUGP 2024 Admission)

Time: 2 hours   Max. Marks : 70

Course Outcome Mapping Scheme

Q.NO	1	2	3	4	5	6	7	8	9	10
COS	CO1	CO1	CO2	CO3	CO3	CO3	CO4	CO6	CO5	CO6
Q.NO	11	12	13	14	15	16	17	18	19	20
COS	CO4	CO2	CO2	CO3	CO4	CO6	CO4	CO5	CO5	CO4

Section A

[Answer All. Each question carries 3 marks] (Ceiling: 24 Marks)

1. List and briefly explain the three types of business analytics?

2. What is a random experiment? Provide one example?

3. A quality control inspector checks a batch of 1000 light bulbs. She finds that 20 of them are defective. What is the probability that a randomly selected light bulb from this batch is defective?

4. Find the probability of drawing an ace or a spade from a pack of cards.

5. What is a Probability Density Function (PDF) ?

6. How to find standard deviation of Binomial distribution.

7. Why is standard error of estimate important in regression analysis?

8. A company wants to analyse the trend in its annual sales over several years. The sales data (in millions) from 2015 to 2021 is given as follows:

Year	Sales (in millions)
2015	120
2016	130
2017	140
2018	150
2019	160
2020	170
2021	180

Calculate the 3-year moving average.

9. Construct index numbers for 2012 on the basis of the price of 2010 by using simple aggregate method?

Commodities	Price in 2010	Price in 2012
A	115	130
B	72	89
C	54	75
D	60	72
E	80	105

10. Define the term Time Series and explain its utility in business and economics.

Section B
All questions can be attended.
Each question carries **six** marks.
Ceiling -36 Marks

11. For the following data calculate Karl pearson correlation coefficient and comment on the nature of correlation.

X: 78   89   97   69   59   79   68   61
Y: 125 137 156 112 107 136 123 108

12. Two coins are tossed what is the probability of getting a] one head b]Both head c] at least one head d] No head

13. Find the probability of getting a total of 7 or 11 in a single throw with two dice?

14. Consider families with 4 children each. What percentage of families would you expect to have

a] Two boys and two girls b]at least one boy c]No girls d]at the most two girls

15. The two judges ranked 10 students according to their marks in certain competitive test as follows: Find Rank correlation Coeficient

Ranks by Judge X	3	2	5	1	4	6	8	7	10	9
Ranks by Judge Y	3	2	6	7	1	5	8	9	10	4

16. A small business wants to predict future sales based on historical data. The table below shows the sales (in thousands of dollars) from 2018 to 2022:

Year   Sales (in thousands of dollars)

2018   40

2019   45

2020   50

2021   55

2022   60

Using the method of least squares, find the equation of the best-fit line (trend line)

17. If 3% of electric bulbs manufactured by a company are defective, find the probabilty that a sample of 100 bulbs, exactly five bulbs are defective.

18. List out main Components time series

Section Three
Answer any *one* questions.
Each question carries Ten marks.

19. Following are the data related with the prices and quantities consumed for 2010 and 2012.

Commodity	2010		2012	
	Price	Quantity	Price	Quantity
Rice	5	15	7	12
Wheat	4	5	6	4
Sugar	7	4	9	3
Tea	52	2	55	2

Construct price index numbers using

1. Laspeyre'smethod

2. Paasche's method

3. Bowly's – Dorbish method

4. Fisher's method

20. Given the data below form the two regression equations.

X(Advertising spend in thousands): 10   20   30   40   50

Y(Sales in thousands)   :15   25   35   45   55

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester BBA Degree Examination, April 2025

BBA2FS112 – Spreadsheet Modeling for Business

(FYUGP 2024 Admission)

Time: 1.5 hours

Max. Marks : 50

PART – A
All questions can be attended.
Each question carries **Two** mark.
Ceiling -16 Marks

		COs	Knowledge Level(KL)	Marks
1	Define a spreadsheet.	1	Remember	2
2	List out the limitations of using spreadsheets.	2	Apply	2
3	Differentiate between worksheet and workbook.	1	Understand	2
4	What is cell referencing? Give an example.	2	Apply	2
5	How does AutoFill help in spreadsheet modeling?	2	Understand	2
6	Define Pivot Table.	3	Remember	2
7	Give an example for IF function .	3	Apply	2
8	Explain the purpose of IFPS in decision modeling.	3	Apply	2
9	How can sales reporting be automated using Excel?	4	Understand	2
10	Describe the different types of Alignment in excel.	5	Apply	2

PART – B
All questions can be attended.
Each question carries **six** marks.
Ceiling -24 Marks

		COs	Knowledge Level(KL)	Marks
11	Demonstrate the process of creating and using formulas in Excel.	2	Apply	6
12	How to create a chart in Excel ?	3	Apply	6
13	Explain the concept of Lookup and Reference functions with examples.	3	Apply	6
14	How can Excel be used for contact Management and Marketing.	4	Apply	6
15	Explain the sensitivity Analysis in Excel with example.	5	Apply	6

PART - C
Answer any *one* questions.
Each question carries **Ten** marks.

		COs	Knowledge Level(KL)	Marks
16	Illustrate in detail with respect to Regression Analysis and Tornado Diagram using in excel	3 & 4	Apply	10
17	Explain in detail the uses and limitations of spreadsheet.	1	Understand.	10

1 x 10 = 10 Marks