

**Bangladesh Open University**  
BBA Program  
Semester: 211 (5<sup>th</sup> Level)

Course Title: Industrial & Company Law

Due on: 5 May, 2023

**Instructions**

- Answer the all questions in your own handwriting on A4 size white paper.
- Fill-in the cover page of your assignment with care.
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**Questions**

1. (a) Deliberate the rules regarding the alternation of memorandum.  
(b) Converse the rules regarding the condition applicable to managing agents  
(c) Explain the removal procedure of directors in a public limited company.
2. (a) Define prospectus. What are the interpretations of provision relating to prospectus?  
(b) Explain the circumstances in which the company may be wounded up by court.
3. (a) According to Bangladesh Labor Code, 2006 what are the procedures for the payment of maternity benefit.  
(b) State the case in which employment of woman worker is probated. Do you think this is justifiable?
4. (a) Discuss the application of industrial relation ordinance, 1069.  
(b) What is Trade Union? Discuss the rights of worker of forming a Trade Union.

**Bangladesh Open University**  
BBA Program  
Semester: 211 (5<sup>th</sup> Level)

**Course Title: Industrial & Company Law**

**Due on: 16 June, 2023**

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**Questions**

1. (a) Explain the rules regarding casual leave, sick leave and annual leave with wages.  
(b) Discuss the provision regarding deductions for absence and deductions for loss.
2. (a) Define CBA. Why is CBA important for an organization?  
(b) Discuss the rules regarding time of payment for wages.
3. (a) Explain the conciliation process before and after the notice of strike or lockout.  
(b) Discuss the rules regarding time of payment for wages.

**Bangladesh Open University**  
**BBA Program**  
**Semester: 211 (5<sup>th</sup> Level)**

**Course Title: Financial Management and Policy**

**Due on: 5 May, 2023**

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**Questions**

1. (a) Financial ratio analysis is often divided into five areas: liquidity, activity, debt, U, profitability, and market ratios. Differentiate each of these areas of analysis from the AN others. Which is of the greatest concern to creditors?
- (b) Ratio comparisons Robert Arias recently inherited a stock portfolio from his uncle. AP Wishing to learn more about the companies in which he is now invested, Robert performs a ratio analysis on each one and decides to compare them to one another. Some of his ratios are listed below.

Ratio	Island Electric Utility	Burger Heaven	Fink Software	Roland Motors
Current ratio	1.10	1.3	6.8	4.5
Quick ratio	0.90	0.82	5.2	3.7
Debt ratio	0.68	0.46	0.0	0.35
Net profit margin	6.2%	14.3%	28.5%	8.4%

Assuming that his uncle was a wise investor who assembled the portfolio with care, Robert finds the wide differences in these ratios confusing. Help him out.

**Requirement:**

- (a) What problems might Robert encounter in comparing these companies to one another on the basis of their ratios?
- (b) Why might the current and quick ratios for the electric utility and the fast-food stock be so much lower than the same ratios for the other companies?
- (c) Why might it be all right for the electric utility to carry a large amount of debt, but not the software company?
- (d) Why wouldn't investors invest all their money in software companies instead of in less profitable companies? (Focus on risk and return.)
2. (a) What three components of cash flow may exist for a given project? How can expansion U,An decisions be treated as replacement decisions? Explain.
- (b) What effect do sunk costs and opportunity costs have on a project's incremental U, cash flows? How can currency risk and political risk be minimized when one is making AN foreign direct investment?

- (c) Determining relevant cash flows for a new boat Jan and Deana have been dreaming about owning a boat for some time and have decided that estimating its cash flows will help them in their decision process. They expect to have a disposable annual income of \$24,000. Their cash flow estimates for the boat purchase are as follows: AP,

Negotiated price of the new boat \$70,000  
Sales tax rate (applicable to purchase price) 6.5%  
Boat trade-in 0  
Estimated value of new boat in 4 years \$40,000  
Estimated monthly repair and maintenance \$800  
Estimated monthly docking fee \$500

Using these cash flow estimates, calculate the following:

- (a) The initial investment
  - (b) Operating cash flow
  - (c) Terminal cash flow
  - (d) Summary of annual cash flow
  - (e) Based on their disposable annual income, what advice would you give Jan and Deana regarding the proposed boat purchase?
3. (a) Does the assumption concerning the reinvestment of intermediate cash inflow tend to favor NPV or IRR? In practice, which technique is preferred and why? AN
- (b) Axis Corp. is considering investment in the best of two mutually exclusive projects. Project Kelvin involves an overhaul of the existing system; it will cost \$45,000 and generate cash inflows of \$20,000 per year for the next 3 years. Project Thompson involves replacement of the existing system; it will cost \$275,000 and generate cash inflows of \$60,000 per year for 6 years. Using an 8% cost of capital, calculate each project's NPV, and make a recommendation based on your findings. Ap, Ev

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Semester: 211 (5<sup>th</sup> Level)

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Questions

1. (a) What is the internal rate of return (IRR) on an investment? How is it determined? What are the acceptance criteria for IRR? How are they related to the firm's market value? U, AN
- (b) Do the net present value (NPV) and internal rate of return (IRR) always agree with respect to accept–reject decisions? With respect to ranking decisions? Explain. U, AN, AP, Ev
- Bay Bengal, Inc., a maker of casual clothing, is considering four projects. Because of past financial difficulties, the company has a high cost of capital at 15%.

	Project A	Project B	Project C	Project D
Initial investment (CF <sub>0</sub> )	\$50,000	\$100,000	\$80,000	\$180,000
Year (t)	Cash inflows (CF <sub>t</sub> )			
1	\$20,000	\$35,000	\$20,000	\$100,000
2	20,000	50,000	40,000	80,000
3	20,000	50,000	60,000	60,000

**Requirement:**

- (a) Calculate the NPV of each project, using a cost of capital of 15%.  
 (b) Rank acceptable projects by NPV.  
 (c) Calculate the IRR of each project, and use it to determine the highest cost of capital at which all the projects would be acceptable.
2. (a) What is the cost of capital? What role does the cost of capital play in the firm's long-term investment decisions? How does it relate to the firm's ability to maximize shareholder wealth? K, U
- (b) Cost of capital Edna Recording Studios, Inc., reported earnings available to common stock of \$4,200,000 last year. From those earnings, the company paid a dividend of \$1.26 on each of its 1,000,000 common shares outstanding. The capital structure of the company includes 40% debt, 10% preferred stock, and 50% common stock. It is taxed at a rate of 40%. AP, Ev

**Requirement:**

- (i) If the market price of the common stock is \$40 and dividends are expected to grow at a rate of 6% per year for the foreseeable future, what is the company's cost of retained earnings financing?

- (ii) If underpricing and flotation costs on new shares of common stock amount to \$7.00 per share, what is the company's cost of new common stock financing?
- (iii) The company can issue \$2.00 dividend preferred stock for a market price of \$25.00 per share. Flotation costs would amount to \$3.00 per share. What is the cost of preferred stock financing?
- (iv) The company can issue \$1,000-par-value, 10% coupon, 5-year bonds that can be sold for \$1,200 each. Flotation costs would amount to \$25.00 per bond. Use the estimation formula to figure the approximate cost of debt financing.
- (v) What is the WACC?

3. (a) What is operating leverage? What causes it? How is the degree of operating leverage (DOL) measured? K, U
- (b) What is the general relationship among operating leverage, financial leverage, and the total leverage of the firm? Do these types of leverage complement one another? Why or why not? U, AN
- (c) Carolina Fastener, Inc., makes a patented marine bulkhead latch that wholesales for \$6.00. Each latch has variable operating costs of \$3.50. Fixed operating costs are \$50,000 per year. The firm pays \$13,000 interest and preferred dividends of \$7,000 per year. At this point, the firm is selling 30,000 latches per year and is taxed at a rate of 40%. AP

**Requirements:**

- (i) Calculate Carolina Fastener's operating breakeven point.
- (ii) On the basis of the firm's current sales of 30,000 units per year and its interest and preferred dividend costs, calculate its EBIT and earnings available for common.
- (iii) Calculate the firm's degree of operating leverage (DOL).
- (iv) Calculate the firm's degree of financial leverage (DFL).
- (v) Calculate the firm's degree of total leverage (DTL).

**Bangladesh Open University**  
BBA Program  
Semester: 211 (5<sup>th</sup> Level)

**Course Title:** Entrepreneurship Development and Small Business Management **Date:** 5 May 2023

**Instructions**

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**Questions**

1. (a) What do you mean by entrepreneurship? Distinguish between an entrepreneur and a manager.  
(b) Comment on the statement that “entrepreneurs as a risk-bearer”.  
(c) Explain how do economical factors help in developing entrepreneurship?  
(d) What are the recent trends in the development of women entrepreneurship in Bangladesh? Explain.
2. (a) What is motivation? Describe the Maslow’s Need Hierarchy Theory of Motivation.  
(b) Explain the McGregor and Herzberg theories of motivation and discuss the comparison between these theories.
3. (a) Define a small scale industry. What are its characteristics? Explain.  
(b) Describe the main problems faced by small-scale industry in Bangladesh.  
(c) It is said that small industry has become quite big over a period of time in Bangladesh. Explain with example.



**Bangladesh Open University**  
BBA Program  
Semester: 211 (5<sup>th</sup> Level)

**Course Title:** Entrepreneurship Development and Small Business Management **Date:** 16 June 2023

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**Questions**

1. (a) What do you mean by buying a existing business? Explain the benefits and probles of buying a business.  
(b) When to buy a business? Explain the steps to buy out a business.
2. (a) Describe the reasons for and against stating a new business.  
(b) What are the essential factors of starting a new business? Explain with example.
3. (a) What do you mean by franchising? Explain the purposes of franchising.  
(b) Describe the benefits and problems of owning a franchise business. Explain with example.
4. (a) What is business plan? Why is a business plan so essential for an organization? Explain.  
(b) Explain the major contents of a business Plan.  
(c) How do you prepare a business plan? Describe in brief.

**Bangladesh Open University**  
BBA Program  
Semester: 211 (5<sup>th</sup> Level)

**Course Title: Socio-Economic Profile of Bangladesh**

**Due on: 5 May, 2023**

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**Questions**

1. What is the trend in overall economic growth in Bangladesh in last 10 years? Mention briefly the key drivers to economic growth in Bangladesh.
2. Why is rural development critical for the developing countries? Describe some successful endeavors for rural development in Bangladesh.
3. What is poverty? Describe the nature and dimensions of poverty in Bangladesh? Mention the roles of NGOs in reducing the poverty in rural Bangladesh.
4. What is women empowerment? Mention three crucial factors that must be addressed to make the women in Bangladesh empowered.

**Bangladesh Open University**

BBA Program

Semester: 211 (5<sup>th</sup> Level)

**Course Title: Socio-Economic Profile of Bangladesh**

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**Questions**

1. Explain the role of foreign aid in the development of Bangladesh? Which countries are providing highest supports to the development initiatives taken in Bangladesh?
2. Explain the nature of agricultural credit in Bangladesh. What are the sources of non-institutional credit in Bangladesh?
3. What are the main features of the import and export policies of Bangladesh government? How the South Asian Preferential Trade Agreement (SAPTA) influences the trade pattern of Bangladesh with the SAARC countries?
4. What do you mean by climate change? What are possible effect of environment change on the developing countries like Bangladesh? Mention some causes of environmental problems in Bangladesh.

## Bangladesh Open University

BBA Program

Semester: 211 (5<sup>th</sup> Level)

Course Title: Business Statistics for Decision Making

Date: 5 May 2023

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### Questions

1. (a) Explain why probability is important in business decision-making.
- (b) The personnel manager of a large manufacturing firm finds that 15 per cent of the firm's employees are junior executives and 25 per cent of the firm's employees are BBAs. He also discovers that 5 per cent of the firm's employees are both junior executives and BBAs. What is the probability of selecting a junior executive if the selection is confined to BBAs?
2. (a) "Theoretically, geometric mean is the best average in the construction of index numbers but in practice mostly arithmetic mean is used." Why?
- (b) Construct Fisher's Ideal Index No. for the following data and show that it satisfies the time reversal and factor reversal tests:

Commodity	Base Year		Current Year	
	Price	Qty.	Price	Qty.
A	6	30	15	40
B	5	40	10	55
C	10	25	12	20
D	4	15	3	30
E	2	50	5	28

3. (a) Suppose you are provided with a given time series data and asked to analyze its general pattern and fluctuations. Describe in detail the steps you would follow in determining the pattern of trend and whether a seasonal and/ or a cyclical component contributed to movements in the series.

- (b) The following are annual profits (in thousands of takas) in a business form:

Year	2012	2013	2014	2015	2016	2017	2018
Profit (in '000 Tk.):	60	72	75	65	80	85	95

- (i) Use the method of least squares to fit a straight line to the above data.
- (ii) Plot the above figures and draw the line.
- (iii) Also make an estimate of the profits for the year 2019.

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**Questions**

1. (a) Distinguish between random sampling and stratified sampling. Suppose it is desired to survey petrol buying habits of car owners in a particular city. How would you proceed about it?
- (b) For a particular brand of T.V. picture tube, it is known that the mean operating life of the tubes is 1,000 hours with a standard deviation of 250 hours. What is the probability that the mean for a random sample of size 25 will be (i) greater than 1,000 hours, (ii) less than 1,000 hours, (iii) between 950 and 1,050 hours?
2. (a) Describe the various steps involved in testing of hypothesis.
- (b) A marketing agency gives following information about the age groups and their liking for a particular model which the company plans to introduce:

	Age group			Total
	Below 20	20 – 39	40 – 59	
Liked	125	420	60	605
Disliked	75	220	100	395
Total	200	640	160	1000

On the basis of the above data, can it be concluded that the model appeal is independent of the age group.

3. (a) Write short notes on “Bangladesh Bureau of Statistics.”
- (b) The performances of a class of 300 students in the subjects of Statistics and Finance were graded into four class A, B, C and D. The table below gives the cross tabulation of the number of students by grades in each of the two subjects.

Finance	Statistics			
	A	B	C	D
A	12	12	10	6
B	16	25	12	7
C	18	21	14	17
D	4	12	9	5

Test at significance of 5% and 1%, whether the performance can be inferred as independent.