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**BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY  
& MANAGEMENT STUDIES, BHUBANESWAR**

**Semester : 6<sup>h</sup> Sem. IMBA  
Batch : 2023-28  
Subject : Research Methods  
Subject Code : 16IMN602**

**Date : 09.02.2026  
Class Test : I  
Duration : 1 Hr.  
Full Marks : 30**

**Section- A**

1. **Answer any four out of following questions.** [4 x 2 = 8]
- a) What is Non-Probability Sampling Technique? [CO1]
  - b) Differentiate between Research Methods and Research Methodology. [CO1]
  - c) State Null Hypothesis. [CO1]
  - d) Explain Extraneous Variable with an example. [CO1]
  - e) Write a note on Schedule Method of data collection. [CO1]

**Section-B**

2. **Answer any two questions out of following** [2 x 6= 12]
- a) Discuss different types of research. [CO1]
  - b) What are the necessities of defining a research problem? [CO1]
  - c) What is hypothesis? Explain the role of hypothesis in research. [CO1]

**Section-C**

3. **Answer any one out of following questions.** [1 x 10= 10]
- a) Define research design. Briefly discuss about exploratory and descriptive research designs. [CO1]
  - b) Briefly describe the different steps involved in a research process. [CO1]

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**Semester : 6<sup>h</sup> Sem. IMBA**  
**Batch : 2023-28**  
**Subject : Operations Management-II**  
**Subject Code : 16IMN603**

**Date : 09.02.2026**  
**Class Test : I**  
**Duration : 1 Hr.**  
**Full Marks : 30**

**Section- A**

1. **Answer any four out of following questions.** **[4 x 2 = 8]**
- a) Define Process and Process Analysis [CO1]
  - b) What is Freedom of Location? Give an example. [CO1]
  - c) What do you mean by Centroid Method? [CO1]
  - d) Write-down the two application of Group Technology. [CO1]
  - e) What is Work Measurement? [CO1]

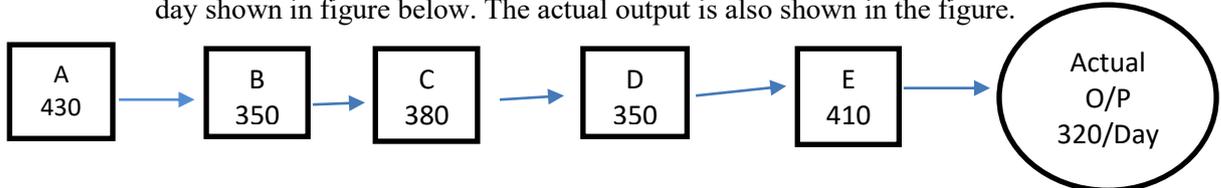
**Section-B**

2. **Answer any two questions out of following** **[2 x 6= 12]**
- a) Calculate the Standard Time Gear Box Assemble Center as per the given data [CO2]

Observation time	= 420 hours	Employees working during observation time	= 2200
Unit processed	= 65000 units	Employees working during observation time	= 1800
Performance	= 75%	Allowances	= 18%
Rating			

- b) Numerical on Capacity Planning: [CO2]

- i. In paper plant have five work stations in series with individual capacity in units per day shown in figure below. The actual output is also shown in the figure.



- ii. In plastic molding have a work center operates 5 days a week on a 3 shifts per day basis, each shift of 8 hours duration. There are five machines of the same capacity in this work center. If the machines are utilized 80% of the time at system efficiency of 90%, what is the rated output in standard hours per week?
- c) In new completed steel plant have Fixed factory overhead cost = Rs. 60,000/-, Fixed Selling overhead cost = Rs.12, 000/-, variable manufacturing cost per unit = Rs. 12/-, variable selling cost per unit = Rs. 03/- and Selling price per unit = Rs. 24/-. From the above following particulars, calculate: [CO2]
- i. Break-even point in terms of sales value and in units.
  - ii. Number of units that must be sold to earn a profit of Rs. 90,000.

**Section-C**

3. **Answer any one out of following questions.** **[1 x 10= 10]**
- a) Define Method Study. Briefly explain the factor influence methods study along with merits and demerits of method study. [CO2]
  - b) What is Plant Layout? Explain the different factors influence Plant Layout. Describe briefly the principle of Layout. [CO2]

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**Semester : 6<sup>h</sup> Sem. IMBA  
Batch : 2023-28  
Subject : Business Ethics  
Subject Code : 16IMN605**

**Date : 09.02.2026  
Class Test : I  
Duration : 1 Hr.  
Full Marks : 30**

**Section- A**

1. **Answer any four out of following questions.** [4 x 2 = 8]
- a) Explain the objectives of ethics. [CO1]
  - b) Define business ethics. [CO1]
  - c) State the need for business ethics. [CO1]
  - d) Mention the importance of business ethics. [CO1]
  - e) Explain the meaning of normative ethics in management. [CO1]

**Section-B**

2. **Answer any two questions out of following** [2 x 6= 12]
- a) Explain Kohlberg's six stages of moral development. [CO2]
  - b) Define ethics and explain the elements and sources of business ethics. [CO2]
  - c) Discuss the characteristics of business ethics. [CO2]

**Section-C**

3. **Answer any one out of following questions.** [1 x 10= 10]
- a) Discuss the current scenario of marketing harmful products such as tobacco and alcohol in society, highlighting both ethical and economic aspects. [CO3]
  - b) Have you faced any ethical problems in your life? Explain with suitable examples. [CO3]

*All the Best*

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**Semester : 6<sup>h</sup> Sem. IMBA  
Batch : 2023-28  
Subject : Human Resource Management  
Subject Code : 16IMN604**

**Date : 10.02.2026  
Class Test : I  
Duration : 1 Hr.  
Full Marks : 30**

**Section- A**

1. **Answer any four out of following questions.** [4 x 2 = 8]
- Differentiate between Wage and Salary. [CO1]
  - What is Dearness Allowance? [CO1]
  - What are the 3 types of Incentive Based Pay? [CO1]
  - Define Broad banding. Discuss its advantages and disadvantages (1 each). [CO2]
  - Define Executive Compensation. What is the importance of executive compensation in organization. [CO2]

**Section-B**

2. **Answer any two questions out of following** [2 x 6= 12]
- Write Short Notes on: [CO1]
    - Factor Comparison Method
    - Point Method
  - Discuss all 8 Pay Commissions applied in India. [CO2]
  - Elaborate the process of Job Evaluation. [CO2]

**Section-C**

3. **Answer any one out of following questions.** [1 x 10= 10]
- Discuss five different methods of Payments with examples. [CO2]
  - Elaborate three approaches of Executive Compensation. [CO2]

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**Semester : 6<sup>h</sup> Sem. IMBA**  
**Batch : 2023-28**  
**Subject : Financial Management**  
**Subject Code : 16IMN601**

**Date : 09.02.2026**  
**Class Test : I**  
**Duration : 1 Hr.**  
**Full Marks : 30**

**Section- A**

- 1. Answer any four out of following questions.** **[4 x 2 = 8]**
- a) Walter’s model suggests for 100% DP ratio when 1.  $K_e = r$ , 2.  $K_e > r$ , 3.  $K_e < r$  4.  $K_e = 0$  [CO1]
  - b) MM Model deals with irrelevance of dividend decision. Is this statement is true? [CO1]
  - c) Write a short note describing the relationship between dividend and retention. [CO1]
  - d) Distinguish between Gross Working Capital and Net Working Capital. [CO2]
  - e) Operating Cycle is a technique of 1. Working Capital Management, 2. Receivable Management, 3. Inventory Management and 4. Creditors Management. [CO2]

**Section-B**

- 2. Answer any two questions out of following** **[2 x 6= 12]**
- a) What do you mean by Operating Cycle and explain it. [CO2]
  - b) Write a Short note Gordon’s Model of dividend decision. [CO1]
  - c) Explain any 06 factors which are affecting the working capital estimation for an organization. [CO2]

**Section-C**

- 3. Answer any one out of following questions.** **[1 x 10= 10]**
- a) XYZ Limited supplied the following information: [CO2]

Sales and Production for the Year	69,000 units
Finished Good in Store	3 months
Raw Materials in Store	2 months
Production Process	1 Month
Credit Allowed by Creditors	2 months
Selling Price per unit	Rs.50.00
Raw Material	50% of Selling Price
Direct Wages	10% of Selling Price
Overheads	20% of Selling Price

20% sales are on cash basis & Credit sales allowed to customers for 1 month. Overheads includes Rs. 5 as depreciation. There is regular production and sale cycle and wages and overheads accrue evenly. Wages are paid in the next month of accrual and Overheads are paid 15 days in arrears. Materials introduced in the beginning of production cycle. You are required to find out its working capital requirement on cash cost basis.

- b) Determine the market value of the equity shares of the company from the following information:** [CO1]

Earning of the Company	–	Rs. 5,00,000
Dividend paid	–	Rs. 3,00,000
Number of shares outstanding	–	Rs. 1,00,000
Price – Earnings Ratio	–	8
Rate of return on investment	–	15%

Are you satisfied with the current dividend policy of the firm? If not, what should be the optimal dividend payout ratio? Use Walter’s Model.

*All the Best*