BIJU PATNAIK INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT STUDIES, BHUBANESWAR

Semester : 06TH IMBA | **Date : 09.04.2024**
Batch : 2021-26 | **Class Test : II**
Subject: Research Methods | **Duration : 1 Hr.**
Subject Code : 16IMN602 | **Full Marks : 30**

PART-A

1. Answer any four out of following questions. **(4 x 2 = 8)**

a) What are the four types of measurement scales used in research? Discuss in brief. CO 2
b) What are the various sources for secondary data in research? CO 2
c) Describe convenient sampling. CO 2
d) Explain role of hypothesis. CO 2
e) In a (2*2) contingency table, under the Chi-Square test, find degree of freedom. CO 3

PART-B

2. Answer any two questions out of following **(2 x 6= 12)**

a) What is difference between primary and secondary data? Which type of data do you think should be collected for conducting an Employee Survey and Why? CO2

b) Explain difference between Parametric and Non-Parametric test. Explain F-Test. CO2

c) A researcher wants to compare the effectiveness of three different diets (Diet A, Diet B, and Diet C) on weight loss. The researcher randomly assigns 30 participants to each diet group and records their weight loss after one month. The data is as follows:

Diet A: Mean weight loss = 5 kg, Standard Deviation = 1.2 kg
Diet B: Mean weight loss = 4.5 kg, Standard Deviation = 1.0 kg
Diet C: Mean weight loss = 6 kg, Standard Deviation = 1.5 kg

Perform a one-way ANOVA test at a significance level of 0.05 to determine if there is a significant difference in the mean weight loss between the three diet groups.
CO 3

PART-C

3. Answer any one out of following questions. **(1 x 10= 10)**

a) The Wald-Wolfowitz run test is used to determine whether two samples come from the same population or different populations based on the number of runs in the data. Here is an example of how to conduct the Wald-Wolfowitz run test:

Let us say we have two samples, sample A and sample B, with the following data:
Sample A: 1 0 1 0 1 1 0 0 1 1
Sample B: 0 1 0 1 0 0 1 1 0 1

Compare the calculated Z-value with the critical value from the standard normal distribution at the chosen significance level (e.g., $\alpha = 0.05$). CO3

b) A researcher wants to investigate the effects of two factors, temperature (Factor A) and humidity (Factor B), on the growth of a certain plant species. The researcher sets up an experiment where plants are exposed to three different temperature levels (Low, Medium, and High) and two different humidity levels (Low, High). The growth of the plants is measured in terms of height (in centimeters) after two weeks. The researcher randomly assigns 15 plants,
To each combination of temperature and humidity and records their heights. The data is as follows:

Temperature/Humidity	Low Humidity	High Humidity
Low Temperature	10	12
Medium Temperature	15	18
High Temperature	20	22

Perform a two-way ANOVA test at a significance level of 0.05 to determine if there are significant differences in plant growth based on temperature, humidity, and their interaction. CO3

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Semester : 6TH IMBA | **Date : 09.04.2024**
Batch : 2021-26 | **Class Test : II**
Subject: Financial Management -II | **Duration : 1 Hr.**
Subject Code : 16IMN601 | **Full Marks : 30**

PART-A

1. Answer any four out of following questions. (4 x 2 = 8)

(a) What is credit policy?
CO3

(b) What is cash discount?
CO3

(c) Define treasury management.
CO3

(d) What is commercial paper?
CO4

(e) What is factoring?
CO4

PART-B

2. Answer any two questions out of following (2 x 6= 12)

a. Briefly discuss the motives behind holding the cash.
CO3

b. Discuss the objectives of receivable management.
CO3

c. Explain the guidelines for regulating bank credit.
CO4

PART-C

3. Answer any one out of following questions. (1 x 10= 10)

1. Explain decision tree approach with an example.
CO3

2. Explain the pattern of financing available for current asset with examples.
CO4

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Semester : 6TH IMBA | **Date : 10.04.2024**
Batch : 2021-26 | **Class Test : II**
Subject: Human Resource Management - II | **Duration : 1 Hr.**
Subject Code : 16IMN604 | **Full Marks : 30**

PART-A

1. Answer any four out of following questions. **(4 x 2 = 8)**

a. Who are the parties involved in industrial dispute? CO1

b. Explain the major difference between strike & lock-out. CO2

c. Explain the role of Conciliator. CO2

d. Mention any two natures of Collective Bargaining. CO3

e. What is WPM? CO1

PART-B

2. Answer any two questions out of following **(2 x 6= 12)**

a. What do you mean by Trade Union? Why do workers join Trade Union? CO1

b. Explain the various stages of Collective Bargaining. CO2

c. Elaborate the Dunlop's system framework. CO3

PART-C

3. Answer any one out of following questions. **(1 x 10= 10)**

a. What is Industrial dispute? Briefly describe the machinery to resolve the Industrial disputes.
CO3

b. Explain various approaches to IR. CO2

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Semester : 6TH IMBA | **Date : 10.04.2024**
Batch : 2021-26 | **Class Test : II**
Subject: Operational Management-II | **Duration : 1 Hr.**
Subject Code : 16IMN603 | **Full Marks : 30**

PART-A

1. Answer any four out of following questions. (4 x 2 = 8)

a) Explain the suitability of fixed position layout. CO1
b) What are the main inputs of MRP? CO3
c) Differentiate between CPM and PERT. CO4
d) What do you mean by Master Production Schedule? CO3
e) Explain the role of a Project Manager. CO4

PART-B

2. Answer any two questions out of following (2 x 6= 12)

a. An 8 hours work measurement study in a plant reveals the following: Units produced =320nos. ideal time =15%, Performance rating=120%, Allowance=12% of normal time. Calculate the standard time per unit produced.CO1
b. Discuss the role of MPS, MRP and CRP in resource requirement planning.CO3
c. What is Project life cycle? What are the phases involved in PLC ? Explain.CO4

PART-C

3. Answer any one out of following questions. (1 x 10= 10)

a. Find out the critical path and expected project completion time for the following information. CO4

Activity	Predecessors	Optimistic time	Most likely time	Pessimistic time
A	_	5	5	11
B	_	2	3	10
C	_	3	6	15
D	A	2	5	8
E	A	2	3	4
F	A	2	6	10
G	B,C	2	3	10
H	C	5	5	5
I	D	3	3	9
J	E,G	7	8	9

b. Explain the meaning and significance of plant location. How will you decide location of a large steel plant in Odisha? CO1

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Semester : 6th IMBA | **Date : 09.04.2024**
Batch : 2021-26 | **Class Test : II**
Subject : BUSINESS ETHICS | **Duration : 1 Hr.**
Subject Code : 16IMN605 | **Full Marks : 30**

PART-A

1. Answer any four out of following questions. (4 x 2 = 8)

1. What is Insider Trading? (CO1)
2. How does Code of Ethics benefit the organization? (CO1)
3. What is Normative Ethics in management? (CO1)
4. What is meant by Whistle Blowing? (CO1)
5. Define Virtue Ethics. (CO1)

PART-B

2. Answer any two questions out of following (2 x 6= 12)

1. Distinguish between Ethical Subjectivism and Relativism. (CO2)
2. Compare Oligopoly and Monopoly in the market structure from the perspective of Business Ethics. (CO2)
3. Explain and elaborate on the importance of ethical behavior in area of Finance. (CO2)

PART-C

3. Answer any one out of following questions. (1 x 10= 10)

1. Discuss the characteristics of free and perfect competition market structure in relation to maintaining ethical standards in all functions of business. (CO2)
2. "Lack of Professional Ethics is affecting the employability in the new generation's approach towards Business." Critically analyze the statement. (CO3)

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