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Reg. No. : ....

Name : ....

Ph.D. ENTRANCE EXAMINATION, NOVEMBER 2022

FACULTY OF COMMERCE

COMMERCE

Time : 3 Hours Max. Marks : 100

Instructions **:**

1) *Answer* ***any ten*** *questions each from* Section ***A*** *and* ***B.***
2) *Each question carries* **5** *marks.*
3) *No additional Answer sheets will be provided.*
4) *Candidates should clearly indicate the section, Question number in the answer booklet.*

Section – A

Research Methodology

I. Answer any **ten** questions. All Questions carry equal marks.

1. Discuss typical characteristics of research in social sciences.
2. What is a research design? Explain.
3. What are Type I and Type II errors?
4. How is a research problem identified? Discuss.
5. What is a research hypothesis? Discuss the steps in testing of hypothesis.
6. A sample of 50 employees was asked to provide the distance commuted by them to reach office. If sample mean was found to be 5 km. Find 95 percent confidence interval for the population. Assume that population is normally distributed with a variance of 0.30.
7. Explain how qualitative research is different from quantitative research.

8. Expand the abbreviations given below:
   - (a) APA is expanded as ———————— **1**
   - (b) JANE is expanded as ———————— **1**
   - (c) MLA is expanded as ———————— **1**
   - (d) IMRaD is expanded as ———————— **1**
   - (e) ISSN is expanded as ———————— **1**

9. What is sampling? Explain different sampling methods.

10. Discuss different types (levels) of measurement for collecting data. Explain with suitable examples.

11. Explain systematic literature review.

12. What is reliability and validity of a measure in research?

13. What is a regression model? What does a regression model explain, when used as a tool for analysis in social science research?

14. What is primary and secondary data?

15. Discuss the features of a good research report. Also explain the broad structure of a research report.

(10 $\times$ 5 = 50 Marks)

Section – B

Commerce

II. Answer any **ten** questions. All Questions carry equal marks.

1. What is a Dupont chart? Explain.

2. Given the risk-free rate of return 6%, expected market return 15%; check which stock is overvalued/undervalued from the details presented below:

Stock	Expected return	Beta
A	14%	1.2
B	15%	0.75
C	13%	1.50
D	20%	1.60
E	10%	0.80

3. Discuss the purchase power parity theory.

4. What is meant by currency exposure in international trade? What are the ways for mitigating such risks?

5. Discuss the sustainable development goals (SDGs) adopted by the United Nations.

6. Discuss the crux of New Labour Code in India.

7. Discuss the possible opportunity for triangular arbitrage in the following situation?

   INR/ £ : INR 85.0025 per pound

   INR/€ : INR 55 per euro

   € / £ : Euro 1.55 per pound

8. You are given the following information in respect of each unit of products X and Y of Bee Cee Co. Ltd.

	Product X	Product Y
Selling price	Rs. 45	Rs. 35
Direct material	Rs. 15	Rs. 15
Labour hours (50 paise/hour)	18 hours	9 hours

   Total labour hours available is 30 hrs.

   Show which product is more profitable during labour shortage.

9. What is a financial option? Explain the basic option positions.

10. Discuss the clearing and settlement process in a stock exchange.

11. A project requires Rs. 1,00,000/- of initial investment and generates the following net cash flows.

Year	Net cash flow in Rs.
1	30,000/-
2	30,000/-
3	40,000/-
4	30,000/-

   In how many years will this project pay back the initial investment?

12. The expected rate of return among the investors in a firm is 9% p.a. Discuss the dividend policy the firm should adopt (according to Walter's model), if its internal rate of return is 15% p.a.

13. What is segmentation, targeting and positioning in marking? Explain.

14. What is an interest rate SWAP? Explain how the parties can benefit in a contract of interest rate swap.

15. What is IFRS? Discuss the challenges in convergence of IAS with IFRS.

(10 $\times$ 5 = 50 Marks)