PREPARE A PROJECT REPORTS ON THE FOLLOWING GROUNDS

REQUIREMENTS

1.Hand drawing front page with institute name & LOGO 2. Objectives. 3. Acknowledgement. 4. Certification. 5.Table of Contents 6. Conclusion 7. Reference Book or Website

ADCA 1St Semester Students(JUNE 2025 EXAMINATION)

Paper 101 Fundamentals of Computers

Answer any from the followings:-   **Marks: 5+5+5+10=25**

Q.NO1: What is Binary representation? Explain its importance in computing.

Q.No2: Explain the concept of CPU (Central Processing Unit) and its role in a computer system.

Q.NO3: What is algorithm? Provide an example of a simple algorithm and explain how it works.

Q.No4: Define the term "byte" and explain its significance in computer memory and storage.

Paper 102 Application Programs

Answer the followings:-   **Marks: 5+5+5=15**

Q.NO1: Explain the purpose of functions in Excel. Give examples of some common function and their usage.

Q.NO2: What is the difference a workbook and worksheet in excel?

Q.No3: Write the steps of the followings:
- ➢ Type the city and state you live in.
- ➢ Select the city and state using shortcut key.
- ➢ Change the font size to 36 and align center using shortcut key.
- ➢ Change the font color and font style.
- ➢ Deselect and undo the last section by using shortcut key.
- ➢ Now redo the last section using shortcut key.
- ➢ Save the document using shortcut key.
- ➢ Now close the MS Word using shortcut key.

Paper 103 Command Prompt and C Programming

Answer the followings:-   **Marks: 5+5+5=15**

Q.NO1: How does the file system work in MS-DOS, and what are some common file management commands.

Q.NO2: What are the different types of commands available is MS-DOS, and how can they be categorized.

Q.NO3: Discuss the differences between the pre-increment and post-increment operators in C.

Paper 104 DATA ANALYTICS & AI CYBER SECURITY & ETHICAL HACKING

Answer the followings:-   **Marks: 5+5+5=15**

Q.NO1: What is Artificial Intelligence? What are the various components of AI ?

QNO2: What tools are commonly used for data analysis ?

QNO3: What is ethical hacking? What are the different types of hackers?

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IIIT ADCA 1ST SEM JUNE EXAM 2025 STUDENTS PROJECT WORK