

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Sixth Semester B.Tech (Hons.) Degree Examination June 2024 (2021 Admisstion)

**Course Code: MRT396****Course Name: ADVANCED COMPUTER CONCEPT FOR AUTOMATION****Max. Marks: 100****Duration: 3 Hours****PART A***Answer all questions, each carries 3 marks.*

		Marks
1	Write a short note on Video Display Modes.	(3)
2	What are the different types of Automations?	(3)
3	Explain the use of creating an Object.	(3)
4	Write a short note on necessity of Object-Oriented Programming.	(3)
5	Exemplify the keywords of exception handling.	(3)
6	Write a short note on object class in C++.	(3)
7	Briefly explain how authorisation helps in providing security for a database?	(3)
8	Explain about Data Warehouse.	(3)
9	Write a short note on Data Base Models	(3)
10	List out the components of an operating system.	(3)

PART B*Answer any one full question from each module, each carries 14 marks.***Module I**

11 a) Explain in detail about VGA & XGA (14)

OR

12 a) Discuss in detail about the types of automation. (14)

Module II

13 a) Explain in detail about the characteristics of Object Oriented Languages. (14)

OR

14 a) Summarize the following (14)

- i) Inheritance,
- ii) Overloading,
- iii) Virtual Functions, and
- iv) Polymorphism.

Module III

15 a) With example explain constructor and destructor in C++. (14)

OR

16 a) Give a detailed description about the features and characteristics of JAVA. (14)

Module IV

17 a) Discuss in detail about database design. (14)

OR

18 a) Explain in detail about database management system. (14)

Module V

19 a) Explain in detail about operating system structure. (14)

OR

20 a) Summarize the following (14)

- i) FTP,
- ii) TCP/IP
- iii) HTTP.
