



Regulation R18

Subject code: 206DA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VI Semester Supplementary Examinations, July 2024

FUNDAMENTALS OF INFORMATION TECHNOLOGY (Electronics and Communication Engineering)

Maximum Marks: 70

Date:30.07.2024 Duration: 3 hours

- Note:
- 1.This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20 Marks)

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| 1 | Define Hybrid Computers. |
| 2 | What is interpreter? |
| 3 | What is meant by Context Switch? |
| 4 | Why does the computer must keep several processes in main memory? |
| 5 | What are the tasks performed in Coding phase? |
| 6 | List out any five application specific GUI elements. |
| 7 | What is Reflexive Rule? Give example. |
| 8 | Define Data Control Language with example. |
| 9 | What is UML? |
| 10 | What is the purpose of Sequence Diagram? |

Part-B

Answer All the following questions. (5X10M=50Marks)

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| 11 | A. Differentiate analog and digital computers. [5]
B. What is computer performance? Explain the factors involved in performance. [5] |
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OR

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| 12 | A. Differentiate between primary and secondary memory. [5]
B. Explain the following terms. [5]
I. compiler
II. assembler |
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| 13 | A. Discuss paging with its advantages and disadvantages. [5]
B. Distinguish between internal and external fragmentation. [5] |
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OR

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| 14 | A. Explain the structure of C program components. [5]
B. What is thread? Explain its types. [5] |
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| 15 | Explain the phases of Iterative Model with neat diagram. [10] |
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OR

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| 16 | Describe different activities performed by a User Interface Design. [10] |
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17	A. Differentiate between DBMS and RDBMS. [5] B. Elaborate decomposition Rule. [5]
	OR
18	A. Differentiate between OLAP and OLTP system. [5] B. Explain DML commands with example. [5]
19	Explain the following. A. Inheritance [5] B. Polymorphism [5]
	OR
20	Explain the purpose of component diagram. Draw UML component diagram for an online shopping system. [10]