



R18 Regulation

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)

Subject code:206DA

B.Tech VI Semester Supplementary Examinations, June 2022

FUNDAMENTAL OF INFORMATION TECHNOLOGY (ECE)

Maximum Marks: 70

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)

- 1 Define Hardware and Software.
- 2 Write the functions of Assemblers?
- 3 Define Threads.
- 4 What is PCB and its functions?
- 5 Define Software Development Methodologies.
- 6 Define GUI.
- 7 Define the Database.
- 8 Define Normalization.
- 9 Define Abstract class with syntax.
- 10 Define polymorphism.

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Define the Interrupts and explain various types of interrupts. [10]
OR
- 12 Explain the BUS-addressing modes. [10]
- 13 Explain the Process management in detail. [10]
OR
- 14 a) Explain Testing and Debugging. [5]
b) Explain any two schedulers. [5]
- 15 Explain briefly about Waterfall Model and spiral method. [10]
OR
- 16 Explain the Software development Models in details. [10]
- 17 A. Explain briefly ER diagram for Hospital Management system? [5]
B. Differentiate between SQL and OLTP? [5]
OR
- 18 Explain Briefly any three Normal forms with suitable examples? [10]
- 19 Define Inheritance and explain different types of inheritance with suitable examples? [10]
OR
- 20 Explain Object Oriented Design Methodology and its advantages. [10]