

18248

RND225SCE

Semester: 5<sup>th</sup>

Subject: Advance Data Base Management System

Time : 3 Hrs

Branch: Computer Engineering

Session: ND22

Scheme: New

M.M. : 100

Note:- Attempt any five Questions. All Questions carry equal marks.

- Q1.** What do you understand by DATA Independence? Briefly explain the concept of Normalization? (20)
- Q2.** What do you understand by Data Models? Explain? (20)
- Q3.** What do you understand by Distributed databases? What are the various types of distributed database systems? (20)
- Q4.** Explain:  
a) Data definition language      b) Scalar functions with respect to DDL  
c) Null values w.r.t DDL      d) Aggregate functions w.r.t DDL (20)
- Q5.** What do you understand by Data Manipulation language? Explain the working of a join operator with the help of an example? (20)
- Q6.** Explain the concept of Triggers? (20)
- Q7.** What do you understand by Indexes? What are the advantages and disadvantages of views? (20)
- Q8.** Explain the terms given below with the help of examples:  
a) Try and Catch Statements      b) If Statement & While Statement (20)
- Q9.** Explain:  
a) Object Definition Language.      b) Object Query language  
c) Object Relational Systems      d) SQL3 (20)
- Q10.** What do you understand by backup & recovery with respect of installation of SQL server? Also explain steps to install SQL Server? (20)

18248

RND225SCE/IT

J & K BOARD OF TECHNICAL EDUCATION

Semester: 5<sup>th</sup>

### **Branch: Computer Engineering/IT**

## **Subject: Java Programming**

### Scheme: New

Time : 3 Hrs

Session: ND22

M.M.: 100

**Note:- Attempt any five Questions. All Questions carry equal marks**

*18248*

RND225SCE

J & K BOARD OF TECHNICAL EDUCATION

Semester: 5<sup>th</sup>

Branch: Computer Engineering

Subject: Computer Peripheral and Interfacing

Scheme: New

Time : 3 Hrs

Session: ND22

M.M.: 100

Note:- Attempt any five Questions. All Questions carry equal marks.

- Q1.** Briefly explain the working of CRT? (20)
- Q2.** Point out the main differences between raster scan and vector graphics?  
Mention few advantages of raster scan and vector graphics? (20)
- Q3.** What do you understand by pipelining? What do you understand by RISC & CISC? Briefly explain? (20) ,
- Q4.** What do you understand by impact and non impact pointers? Briefly explain the principle and working of inkjet printer? (20)
- Q5.** What do you understand by SMPS? Briefly explain? (20)
- Q6.** What is BIOS? Explain various functions of BIOS? (20)
- Q7.** Explain:  
*a) Digital Camera      b) Web Camera* (20)
- Q8.** What do you understand by Memory Hierarchy? Briefly explain? (20)
- Q9.** Explain:  
*a) EIDE      b) SATA  
c) SCSI      d) SAS* (20)
- Q10.** Explain:  
*a) Cache Memory      b) Virtual Memory* (20)

18248

RND225SCE

J & K BOARD OF TECHNICAL EDUCATION

Semester: 5<sup>th</sup>

**Branch: Computer Engineering**

## **Subject: Wireless Communication (Elective-II)**

### Scheme: New

Time : 3 Hrs

Session: ND22

M.M.: 100

**Note:- Attempt any five Questions. All Questions carry equal marks**

1607-22N5-18248.

J & K BOARD OF TECHNICAL EDUCATION

RND225SCE/IT

Semester: 5<sup>th</sup>

*Subject: Internet and Web Technologies*

Time : 3 Hrs

*Session: ND22*

## **Branch: Computer Engineering/IT**

### Scheme: New

M.M.: 100

**Note:- Attempt any five Questions. All Questions carry equal marks**