

2022

COMPUTER SCIENCE (Honours)

Paper Code : DC-9(a)

[Database Management System]

(CBCS)

Full Marks: 25

Time: Two hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
with their own words as far as practicable.*

Group - A

Answer any *five* questions.

2×5=10

1. (a) What is entity?
- (b) What is schema?
- (c) Mention any two responsibilities of a DBA.
- (d) What is aggregation?
- (e) Mention any two possible reasons to have variable length records.
- (f) What is sparse index?
- (g) Write a SQL query to rename a column of a table.

Group - B

Answer any *three* questions.

5×3=15

2. What is serializability? Differentiate conflict and view serializability. 2+3
3. Write SQL query for the following operations : 1×5
 - (a) Create a database named Customers.
 - (b) Create a table under it named CusDetails with following attributes :
(CustId, Name, City, MobileNo, DOB, State, Country).
 - (c) Insert 5 records in the table.

(2)

(d) Display all records in alphabetical (descending) order of their names.

(e) Display all details of all the senior citizen (age ≥ 60) customers of the state West Bengal.

4. Draw an ERD of online Cab Booking System.

5. Write a short note on (any *two*) :

2½×2

(a) 2NF

(b) Referential Integrity

(c) Project Operation
