

CDOE
MASTER OF COMPUTER APPLICATIONS
M. C. A. Sem-IV : WINTER :- 2021
SUBJECT: DATABASE MANAGEMENT WITH SQL SERVER

Day : Thursday
Date 17-02-2022

W-5367-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 80

N.B.:

- 1) Attempt any **FIVE** questions from Section –I and any **TWO** questions from Section –II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SAME** answer book.

SECTION-I

- Q.1** Explain Codd's Rules with reference to SQL server. (10)
- Q.2** a) What is a 'view'? How it provide security to the database? (05)
b) Explain role of index in improving performance of the query. (05)
- Q.3** Discuss various security modes. (10)
- Q.4** a) Explain co-related sub query with example in reference to SQL server. (05)
b) Explain database shrinking. (05)
- Q.5** Why joins are used? Explain inner and outer joins with proper example. (10)
- Q.6** Explain various types of triggers. Explain its execution with proper example. (10)
- Q.7** Write short notes on any **TWO** of the following: (10)
a) Date Functions
b) File groups
c) Group By - Having

SECTION-II

- Q.8** Write user defined cursor to fetch the records from table t1 where salary is greater than Rs. 50,000 and transfer the filtered records into table t2 after 5% increment. Consider structure of table t1 and t2 as (EmpNo, Empname, Salary, DeptNo) (15)
- Q.9** Consider following tables- (15)
Dept (DeptNo, Dname, Location)
Emp (EmpNo, Empname, Salary, DeptNo)
Accept employee name and pass it to a procedure and check whether he is present in IT department or not. If yes, print his details.
- Q.10** Write user defined function to
a) Pass a string to a function and print it in reverse order. (08)
b) Pass a number to a function and check whether it is divisible by 10 or not. (07)

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