



D-2966
First Year B. Sc. (Sem. II)
(Computer Science) Examination
March/April – 2016
Paper - I : Fundamentals of Computer - II

Time : 2 Hours]

[Total Marks : 50

Instruction :

<p>नीचे दृशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : F. Y. B. SC. (SEM. 2) (COMPUTER SCIENCE)</p> <p>Name of the Subject : PAPER - I : FUNDAMENTALS OF COMPUTER - II</p> <p>Subject Code No. : 2 9 6 6 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div>
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- 1 Answer the question in short : 10
- (1) Convert $(100011101)_2 = (?)_8 = (?)_{10}$
 - (2) What do you mean by database ? Define table.
 - (3) What is significance of primary key and foreign key ?
 - (4) List the uses of ALTER TABLE command.
 - (5) Write syntax and example for creating view.
- 2 Write answers for the following : (any two) 12
- (a) Explain various number systems. (Binary, Octal, hexadecimal)
- OR
- (a) Define Operating System. Explain types of O.S. in detail.
 - (b) Write short note on FAT32 and NTFS.
- 3 Write answers for the following : 14
- (a) Explain data types of MS-ACCESS in detail. 6
- OR
- (a) Explain various keys available on dbms giving suitable example on table. 6
 - (b) Explain physical and logical organization of database. 4
 - (c) Explain drawbacks of file processing system. 4

- 4 Consider following tables write queries for the following : 14
(any seven)

Book_mast (book_no, book_name, author, publisher,
no_of_copy)

Stud_mast (lib_no, stud_name, book_no, no_of_copy)

Transaction (trans_no, trans_type, lib_no, book_no, no_of_copy,
trans_date)

Give transaction type = 'I' for issue and 'R' for return.

- (1) Display all student name who have more than two books.
- (2) Display all books whose publisher is "Pearson Education".
- (3) Display all students who have book title "ANCI C".
- (4) Delete records from stud_mast for all students who have "Oracle" book.
- (5) Change transaction type to 'R' (Return) for all transaction whose transaction type is 'I' (Issue) and book_name = "Let us C".
- (6) Display the name of book which are issued maximum time.
- (7) Display the name of all book issued to student "Nirav".
- (8) Display all books with no. of copies.
