



AC-2966
First Year B.Sc. (Computer Science) (Sem. II)
Examination
March/April – 2015
Paper - 1 : Fundamentals of Computer - 2

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दर्शावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कपनी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : FIRST YEAR B.SC. (COMPUTER SCIENCE) (SEM. II)</p> <p>Name of the Subject : PAPER - 1 : FUNDAMENTALS OF COMPUTER - 2</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 in short : 14

- (1) List types of Operating System
- (2) Define DBMS.
- (3) List file related dos and unix command.
- (4) Differentiate CUI and GUI.
- (5) Define Super Key and Candidate Key.
- (6) List DML and DDL commands.
- (7) Write syntax for Creating View.

2 (a) Explain disadvantages of file processing system. 6+6

(b) Perform the following :

- (1) $(BCA)_{16} = (?)_2$
- (2) $(9999)_{10} = (?)_8$
- (3) $1000101 - 11110$

OR

(a) Write advantages of DBMS in detail 6+6

(b) Write a detailed note on types of number system.

- 3 (a) Write detailed note on BIOS Operation. **6+6**
(b) Explain Post operation in detail.

OR

- (a) Write a detailed note on physical, conceptual and logical organization of database.
(b) Explain various types of keys giving suitable example.

- 4 (a) Write steps to create forms and reports. **6+6**
(b) Write a detailed note on DML command.

OR

Write a create and insert statement for following tables and write Sql query based on Tables.

DeptMaster (dept_id, deptname, location)

EmpMaster (emp_id, dept_id, empname, designation, DOJ, salary)

- (a) Display employees of account department with salary greater than 5000.
(b) Find out employees whose experience is greater than 5 years.
(c) Display total salary paid to each department.
(d) Display employees who joined after 2001.
(e) Add new column 'DOB' in table EmpMaster.
(f) Increase the salary of 'managers' of computer department by Rs.7000.