Sig. of Supdt. .....

KT-XII-1601
COMPUTER SCIENCE
(Part – II)
(NEW COURSE)

Roll No. .....

Fic. # .....

Fic. # .....

Total Marks: 75

COMPUTER SCIENCE
(Part – II)
(NEW COURSE)
Section "A"

Time Allowed : 3 Hrs.

Marks: 15

Time : 20 Mins.

NOTE : Section-A is compulsory. All parts of this section to be answered on the questions paper itself. It should be completed in the given time and handed over to the Centre Superintendent. Deleting / Overwriting is not allowed. Do not use lead pencil.

NOTE : Insert the correct option (a, b, c, d) in the empty box opposite to each part.

Q. 1 Insert the correct option (a, b, c, d) in the empty box opposite to each part. Each part carries one mark.

i) Duplication of data in conventional file system causes
(a) Redundancy (b) Consistency (c) Both A and B (d) None of these

ii) Programming maintenance is difficult in
(a) Database system (b) Data sharing
(c) Conventional file system (d) None of these

iii) Oracle is a type of
(a) RDBMS (b) Conventional file system (c) Interpreter (d) None of these

iv) Compiler is a kind of
(a) Hardware (b) Software (c) Both A and B (d) None of these

v) The relationship between "Country" and "President" is
(a) One to one (b) One- to- many (c) Many to many (d) None of these

vi) Data redundancy means
(a) Integrity of data (b) Data corruption (c) Data repetition (d) None of these

vii) Which of the following is called Interface object?
(a) Table (b) Query (c) Form (d) Rows

viii) Which of the following integrity controls may be concerned with primary key values?
(a) Default value control (b) Range control (c) Null value control (d) None of these

ix) To enforce referential integrity between two tables which of the following key is required ;
(a) Primary and secondary (b) Primary and foreign
(c) Primary only (d) None of these

x) What is the basic unit for storing and organizing information in a database?
(a) Table (b) Form (c) Query (d) Rows

xi) For integer variable format specifier is used ;
(a) %f (b) %s (c) %d (d) %k

xii) When one if statement is put within another if statement, it is called ;
(a) Double if statement (b) Nested if statement
(c) Loop (d) None of these

xiii) Printf ( ) is a function
(a) User defined function (b) System defined function
(c) Both A and B (d) None of these

xiv) There are basic loops in c programming language ;
(a) Four (b) Three (c) Two (d) One

xv) Clrsc ( ) is used to
(a) Clear a date (b) Clear screen (c) Clear header file (d) Clear display

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COMPUTER SCIENCE
(Part – II)
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Total Marks : 60

Time Allowed : 2:40 Hrs.

Section – B

Marks : 40

Q. 2 Write short answers of any TEN of the following parts. Each part carries equal marks.

(i) Differentiate between Homonyms and Synonyms.
(ii) Define data redundancy and data consistency.
(iii) Define difference between logical and physical records.
(iv) Define RDBMS with examples.
(v) What is meant by entity integrity and domain integrity?
(vi) Differentiate between forms and reports.
(vii) Define difference between printf() and scanf() functions.
(viii) Differentiate unary operators and binary operators.
(ix) Define different format specifiers use in c programming language.
(x) What is a loop why loop is used?
(xi) Differentiate between well-structured and non structured relations.
(xii) Differentiate between unique values and unique records settings.
(xiii) Define difference b/w data security and data integrity.

Section – C

Marks : 20

NOTE : Attempt any TWO questions. Each question carries equal marks.

Q. 3 Write a program to print out the factorial of a number given by the user from keyboard.

Q. 4 Write a program using function to print out maximum number from three numbers passed to the function.

Q. 5 What do you know about conventional file system? Write its shortcomings.

Q. 6 Write short notes on any two of the following.

(a) Foreign Key (b) Entity and Attributes (c) Variables