FSD

Objective
Paper Code
8837

Intermediate Part Second FBD-21

Computer Science (Objective)

Time: 20 Minutes Marks: 15

Roll No. : _____

Q.No.1 **You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill the relevant circle in front of that question number on computerized answer sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question. Attempt as many questions as given in objective type question paper and leave other circles blank.**

(MS-Access)

S.#	Questions	A	B	C	D
1	Which dependency is removed in 3NF ?	Associative	Transitive	Partial	Multivalued
2	The smallest meaningful unit of data in a database is called:	File	Record	Character	Field
3	To find a four character name that starts with H, the criteria is specified as:	H*4	H ? 4	H ????	H ####
4	Which database model is referred to as an inverted tree?	Network	Hierarchical	Relational	Object oriented
5	A relation is also known as:	Tuple	Record	Table	Relationship
6	A technique for physically arranging the records of a file on secondary storage devices is called:	Fast retrieval	Data analysis	File organization	Update program

(C – Language)

7	Which escape sequence moves the cursor at the beginning of current line?	\ a	\ b	\ n	\ r
8	In statement scanf ("%c" , & km); km is a(n):	Integer variable	Character variable	Float variable	String variable
9	Conditional operator is an alternative of:	Nested - if	If - else	If	If - else - if
10	Which loop structure is not available in C?	While	Do - while	For	Do - until
11	The keyword used to specify the value returned by a function is:	Return	Break	Continue	Static
12	Which error occur when the program directs the computer to perform an illegal operation?	Runtime error	Logical error	Syntax error	Conceptual error
13	Which header file contains information about common mathematical functions?	stdio.h	conio.h	maths.h	math.h
14	Which data type offers the highest precision?	Float	Double	Long double	Unsigned long int
15	The result of C expression 9/4*2 will be equal to:	4.5	4.0	5	4

FS D

Intermediate Part Second FSD-21

Computer Science (Subjective)

Roll No. _____

Time: 02:10 Hours Marks: 60

SECTION – I

2. **Write short answers to any SIX parts.** 12

(MS – Access)

(i) Define entity.
(ii) Differentiate between parent table and dependent table.
(iii) Define ER-Diagram.
(iv) What is project planning?
(v) Define RDBMS.
(vi) Name four database objects in Microsoft Access.
(vii) Name different types of queries.
(viii) Define the term cardinality of relation.
(ix) List different types of forms in Microsoft Access.

3. **Write short answers to any SIX parts.** 12

(C – Language)

(i) What do you mean by delimiters?
(ii) Define debugging.
(iii) What is the purpose of # sign in C ?
(iv) Define string constant. Give two examples.
(v) List any two data types in C.
(vi) Differentiate between unary and binary operators.
(vii) Determine the output of the given code:

```
int a = 1;
int b = 6;
if ( a + b < 7 )
   printf ( " % d " , a );
else
   printf ( " % d " , b );
```

(viii) What will be the output of the given code?

```
int a, b, c;
a = 10;
b = 3;
if ( a % b == 1 )
   c = 0;
else
   c = 1;
printf ( " % d " , c ) ;
```

(ix) Find the errors in the given code:

```
int a = 2
if ( a = 1 )
   printf ( " Ok " ) ;
Else
   printf ( " Cancel " ) ;
```

4. **Write short answers to any SIX parts.** 12

(C – Language)

(i) Define standard input.
(ii) List two names of functions used for character input.
(iii) Find the errors in the following code segment:

```
for ( x = 1 , x <= 5 , x + + )
printf ( " % d " ; x )
```

(iv) Determine the output of the following code segment:

```
int n;
for ( n = 1 ; n <= 5 ; n + + )
printf ( " % d \ n " , n ) ;
```

(v) Predict the output of the following code segment:

```
int k = 1;
while ( k <= 5 )
{
   printf ( " Yes " ) ;
   k + + ;
}
```

(vi) Define text stream.
(vii) What is the lifetime of local variable?
(viii) Define function body.
(ix) Write the use of field width specifiers in C-Language.

SECTION – II Each question carries 08 marks.

(MS-Access) Attempt any ONE question from the following:

5. Define database model. Discuss different types of database models.
6. What is first normal form? Explain it in detail.

(C – Language) Attempt any TWO questions from the following:

7. Describe characteristics of high-level programming languages.
8. What is control structure? Briefly describe the basic control structure for writing programs.
9. Write a program that inputs a number and print its table using loop. 02,06

346-XII121-28000