

Roll No _____ (To be filled in by the candidate)

(Academic Sessions 2020 – 2022 to 2022-2024)

COMPUTER SCIENCE 224-1st Annual-(INTER PART – II)

Time Allowed : 20 Minutes

Q. PAPER – II (Objective Type)

GROUP – II

Maximum Marks : 15

PAPER CODE = 8836

LAR-2-24

Note : Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

(MS –ACCESS)

1-1	A functional dependency is a relationship between two : (A) Entities (B) Rows (C) Relations (D) Attributes
2	The process of arranging data in a logical sequence is called : (A) Sorting (B) Summarizing (C) Data capturing (D) Classifying
3	Merging the relation is also known as : (A) View entities (B) View integration (C) View relationship (D) View constraints
4	The smallest meaningful unit of data in the database is called : (A) Field (B) Character (C) Record (D) Byte
5	Default field size of text data type in MS-Access is : (A) 20 (B) 30 (C) 40 (D) 50
6	A set of related files created and managed by a DBMS is called : (A) Field (B) Record (C) Database (D) Module

C-Language OR Visual Basic

(C-Language)

7	Total number of keywords in C-Language is : (A) 30 (B) 32 (C) 34 (D) 36
8	In the statement File * fp; the * represents : (A) Variable (B) Pointer (C) Argument (D) Parameter
9	The statement that activates a function is known as : (A) Function design (B) Function definition (C) Return type (D) Function call
10	If $a = 2$ and $b = 4$, the expression $h = (a > b) ? a + b : a * b$; will display output as : (A) 6 (B) 8 (C) 10 (D) 12
11	Format specifier % 5.2 for value 4.1257, will produce the output : (A) □4.12 (B) □4.13 (C) □4.126 (D) □4.1257
12	Preprocessor directives are commands for : (A) Microprocessor (B) Language processor (C) C-processor (D) Loader
13	Switch statement is an alternative of : (A) if-else-if (B) Nested if-else (C) for loop (D) While loop
14	Escape sequence used to beep from speaker in C-Language is : (A) \a (B) \b (C) \t (D) \r
15	In for statement, the expression is executed only once : (A) Validation (B) Test (C) Condition (D) Initialization

OR

(Turn Over)

(2)

(Visual Basic)

1. 7	Forms and controls are collectively recognized as : (A) Events (B) Objects (C) Properties (D) Methods
8	The Window that is used to establish initial property values for objects is : (A) Code Window (B) Property Window (C) Form Window (D) Main Window
9	Which operator is used for comparison : (A) Unary (B) Binary (C) Arithmetic (D) Relational
10	Which method removes a form from screen and from memory : (A) Hide (B) Unload (C) Show (D) Load
11	The statement that activates a function is : (A) Function design (B) Function call (C) Function definition (D) Function declaration
12	Graphical representation of a program is called : (A) Logical chart (B) Binary chart (C) Flow chart (D) E-R chart
13	The programmer usually enter source code into computer using : (A) Text editor (B) Compiler (C) Debugger (D) Linker
14	The control structure used to repeat statements is : (A) Loop (B) Selection (C) Sequential (D) Logical
15	Image controls hold a graphics that is assigned to : (A) Frame property (B) Text property (C) Caption property (D) Picture property

230-224-II-(Objective Type)-9275 (8836)

SECTION – I

(MS-ACCESS)

LHR-2-24

2. Write short answers to any SIX (6) questions :

12

- (i) What is indexed sequential file?
- (ii) What is control key?
- (iii) Differentiate between cardinality and modality.
- (iv) Define repeating groups.
- (v) What is the purpose of status bar ?
- (vi) What is the purpose of reports?
- (vii) What is the usage of secondary key in database? Justify with the help of example.
- (viii) What is the main purpose of “ Replicated” data distribution strategy?
- (ix) Write down any two built-in functions that perform calculation in query.

C-Language

3. Write short answers to any SIX (6) questions :

12

- (i) Define keywords.
- (ii) What is meant by standard output?
- (iii) Describe pointer variable.
- (iv) What is binary stream?
- (v) Write a C-Language statement to declare a long data type variable.
- (vi) Find any two errors
char ch, ch1, sum
ch1 = '2';
ch2 = '6';
- (vii) Find output
int x = 7;
int y = 3;
printf (“% d and % d ”, x / y , x % y);
- (viii) Find any two errors
void main ();
{
int B = 20;
printf (“% d ”, b);
}
- (ix) Write down the output of the following code :
printf (“ Pakistan \t Zindabad \n ”);
printf (“ We \t \t Pakistani \t people ”);

OR

(Visual Basic)

3. Write short answers to any SIX (6) questions :

12

- (i) Define an event in VB.
- (ii) Describe project explorer window.
- (iii) What are mouse events in VB?
- (iv) Differentiate between design time and runtime.
- (v) Define property window.
- (vi) Describe three styles of combo box.
- (vii) What is the purpose of scroll bar control?
- (viii) How does an option button differ from check box?
- (ix) Why a three letter prefix is used with the names of controls?

C-Language

4. Write short answers to any SIX (6) questions :

12

- (i) Differentiate between while and do-while loops.
- (ii) Define built-in functions with example.
- (iii) Predict the output of the following code segment :
if (50 == 70)
printf (“ HAPPY ”);
else
if (80 == 100)
printf (“ NOT HAPPY ”);
- (iv) Differentiate between “if else” and “ if-else-if” statements.
- (v) Convert the following while () loop into for () loop :
int i = 5;
while (i <= 10)
{
printf (“ % d \n ”, i);
}
- (vi) Predict the output of the following code segment :
int c;
for (c = 1; c <= 10; c = c + 2)
printf (“ %d ”, c);

(Turn Over)

(2)

4. (vii) Write the purpose of function argument.
- (viii) Differentiate between function definition and function declaration.
- (ix) What is the life time of local variable?

OR

(Visual Basic)

4. Write short answers to any SIX (6) questions :

12

- (i) Define single data type in VB.
- (ii) Describe explicit variable declaration.
- (iii) What is concatenation in Visual Basic?
- (iv) What is Val function?
- (v) Differentiate between + and & in Visual Basic.
- (vi) Write the syntax of While ---Wend loop.
- (vii) What is default property of command button?
- (viii) Describe the purpose of break statement.
- (ix) What is sentinel value?

SECTION – II

(MS ACCESS)

Note : Attempt any ONE question.

5. Define database model. Describe different types of database models. 8
6. Discuss any four data types which are used in MS Access. 8

SECTION – III

Note : Attempt any TWO descriptive answers (either from “ C-Language” or from “ Visual Basic”) of the following questions.

(C – Language)

7. What necessary steps are taken to prepare a C-program for execution? Discuss briefly. 2,2,2,2
8. Write a program in C-language that inputs three numbers and display maximum number. 8
9. Write a program that inputs a number from user and displays table of that number. 8

OR

(Visual Basic)

7. What is IDE? Explain any three components of Visual Basic IDE. 2,2,2,2
8. Write a program in Visual Basic that inputs three numbers and display maximum number. 8
9. Write a program in VB that inputs a number from user and displays table of that number. 8

230-224-II-(Essay Type)- 37/00