

Roll No. : _____

Objective
Paper Code**8831**

Intermediate Part Second

Computer Science (Objective)

Time: 20 Minutes

Marks: 15

FSD-24



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	Storage and retrieval of data is related to:	Data capturing	Data manipulation	Managing output results	Data sorting
2	An attribute is also known as:	Record	Row	Relation	Field
3	Organizing the database in computer storage is done in:	Logical design	Physical design	Analysis	Implementation
4	A functional dependency is a relationship between two:	Entities	Relations	Rows	Attributes
5	A database consists of various components called:	Objects	Properties	Tools	Entities
6	The degree of relation refers to the number of:	Rows	Tables	Fields	Columns

(C – Language OR Visual Basic)

(C – Language)

7	The target code produced by the compiler is:	Object code	Source code	Library code	Linked code
8	The symbols that perform operations on data are called:	Syntax	Operands	Operators	Rules
9	An ampersand before the name of a variable in scanf () function denotes:	Address	Actual value	Format	Data type
10	Format specifier %5d for the value 8135 will produce the output:	8135	□8135	□□8135	□□□8135
11	The case block ends with:	End select	End case	Case else	Break
12	If X = 5 and Y = 3, the expression (X > Y) ? (X + Y) : (X - Y) ; will display output as:	8	2	0	-2
13	The do-while () loop structure always ends with:	Comma	Colon	Break	Semi-colon
14	The scope of variable refers to its:	Length	Name	Accessibility	Data type
15	On successfully closing a file, the fclose () returns:	Null	Zero	One	File pointer

OR (Visual Basic)

7	The step-by-step procedure to solve a problems is called:	Algorithm	Programming	Control	Flowchart
8	The bar that contains command needed to work with Visual Basic is called:	Title Bar	Status Bar	Menu Bar	Scroll Bar
9	The diamond symbol in a flowchart indicates:	Condition	Input	Output	Program
10	Control used to display text or to accept user input is called:	Label	Textbox	Button	Property
11	Forms and controls are collectively recognized as:	Methods	Properties	Events	Objects
12	Relational operators are used to:	Compare	Add	Multiply	Divide
13	Form property that displays text in the title bar of the form is:	Title	Header	Border text	Caption
14	In Visual Basic, which statement indicates the end of a decision structure?	Next	End	End if	Else
15	Which language is used for solving business problems?	C++	COBOL	FORTRAN	Assembly

F

Computer Science (Subjective)

Time: 02:10 Hours

Marks: 60

FSN-24

SECTION - I

2. Write short answers to any SIX parts.

12

(MS - Access)

- (i) What is data dictionary?
- (ii) Let you have a relation STUDENT in your database, such that STUDENT (Col1 , Col2 , Col3 , Col4 , Col5) create a view on first and last attribute of STUDENT.
- (iii) What is data administrator?
- (iv) What is recursive relationship? Give an example.
- (v) Write any two disadvantages of "Centralized" data distribution strategy.
- (vi) Define transitive dependency.
- (vii) What is redundancy?
- (viii) What is the main purpose of wildcards?
- (ix) Differentiate between check boxes and radio buttons.

3. Write short answers to any SIX parts.

12

(C - Language)

- (i) Define variable.
- (ii) What is an array?
- (iii) Find any two errors:
int a = 10 , b = 40 ,
printf ("Sum = : " , a * b)
- (iv) Find any two errors:
Void main () ;
float f = 15.6 ;
printf ("%d" , i) ,
- (v) What is meant by format string?
- (vi) Describe End-of-File (EOF).
- (vii) Write the output of the following code:
printf ("Escape sequence is a
'\n' cool \ "feature of
'\C-language' ") ;
- (viii) Find output:
int a = 20 ;
int b = 3 ;
printf ("Result = %d" , a % b) ;
- (ix) Write the statement in C-language: " Marks are between 40 and 60 "

OR (Visual Basic)

- (i) Define property in VB.
- (ii) What is the purpose of control naming conventions?
- (iii) Describe code window.
- (iv) Differentiate between runtime and break time.
- (v) What are keyboard events in VB?
- (vi) Write the purpose of the statement 'unload me'.
- (vii) Define label control.
- (viii) What is the purpose of a form?
- (ix) How does two groups of option buttons work independently?

4. Write short answers to any SIX parts.

12

(C - Language)

- (i) Define "switch" statement.
- (ii) Write the syntax of "do-while" loop.
- (iii) Predict the output of the following code segment:
int x = 2 , y = 1 , z = 5 ;
if (x > y && y > z)
printf ("YES");
else
printf ("NO");
- (iv) Convert the following loop into do-while loop:
int i = 1 ;
while (i <= 15)
{
printf ("PUNJAB");
i ++ ;
}
- (v) List different types of functions in C.
- (vi) Define function body.
- (vii) Write the use of actual parameters.
- (viii) How is a function activated?
- (ix) Predict the output of the following code segment:
int i = 5 ;
do
{
printf ("PAKISTAN");
i = i - 1 ;
}
while (i > 0);

(Continued P / 2)

OR (Visual Basic)

- (i) Define infinite loop in VB. (ii) Define string data type in VB.
 (iii) Write the syntax of MsgBox. (iv) How select --- case helps in coding?
 (v) What is default property of command button? (vi) Define goto statement in VB.
 (vii) Differentiate between pretest and post test loop. (viii) What are legal characters of a identifier?
 (ix) Write the syntax of For --- Next loop.

SECTION – II Each question carries 08 marks.

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

5. Briefly describe four disadvantages of database systems.
 6. What is query? Discuss its uses and advantages.

Attempt any TWO questions either from C-Language OR Visual Basic

(C – Language)

7. What is basic structure of C-program? Explain its different parts briefly. 02,02,02,02
 8. Write a program in C-language that inputs marks of a student and displays his high grade according to the given criteria:

Marks	> = 90	80 – 89	70 – 79	60 – 69	40 – 59	< 40
Grade	A	B	C	D	E	F

9. Write a program that displays first five numbers with their cubes using loop:

Output	1	1
	2	8
	3	27
	4	64
	5	125

(Visual Basic)

7. What are VB common controls? Explain any three common controls of VB. 02,02,02,02
 8. Write a program in Visual Basic that inputs marks of a student and displays his high grade according to the given criteria:

Marks	> = 90	80 – 89	70 – 79	60 – 69	40 – 59	< 40
Grade	A	B	C	D	E	F

9. Write a program in VB that displays first five numbers with their cubes using loop:

Output	1	1
	2	8
	3	27
	4	64
	5	125