

Objective
Paper Code
8831

Intermediate Part Second (New Scheme)
Computer Science (Objective)
Time: 20 Minutes **Marks: 15**

★
FSD-12-18

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	The manipulated and processed data is called:	Object	Information	Knowledge	Data
2	The column of a table is known as:	Record	Table	Field	Cell
3	In E-R diagram a rectangle represents:	Entity	Attribute	Relationship	Record
4	Different attributes in two different tables having same name are called:	Synonym	Acronym	Mutually exclusive	Homonym
5	A database consists of various components called:	Tools	Properties	Entities	Objects
6	Which data type is the default data type?	Memo	Number	Text	Autonumber

(C – Language OR Visual Basic)

(C – Language)

7	The process of converting source code into object code is known as:	Compiling	Executing	Linking	Saving
8	$a + = b$ is equal to:	$b + = a$	$a = a + b$	$a = + b$	$b = b + a$
9	Format specifier is started with symbol:	%	?	&	*
10	Which programming structure executes program statements in order?	Relation	Decision	Sequence	Repetition
11	In if statement, true is represented by:	0	1	2	3
12	One execution of a loop is known as a(n):	Cycling	Test	Duration	Iteration
13	In which loop the condition comes after the body of the loop:	While loop	For loop	Do-while loop	Nested loop
14	Global variables are created in:	ROM	RAM	Hard disk	Cache
15	Which function is used to write character to a file?	fputc()	fgets()	fscan()	fprintf()

OR (Visual Basic)

7	Which is not a type of language translator?	Debugger	Compiler	Interpreter	Assembler
8	In Visual Basic a form is another name for a(n):	Object	Window	Property	Label
9	Which statement initializes and loads form in memory without displaying it on screen?	Load	Unload	Hide	Unhide
10	Which data type is used to handle Yes or No response?	Short	Integer	Boolean	Date
11	Which is true about a variable during execution of program?	Name and value both can change	Name cannot change, value can change	Name can change, value cannot	Name and value both cannot change
12	Comments are used to:	Make the program run faster	Make the program compile easier	Increase the size of executable program	Helps others to read and understand program
13	Which operator is used to assign a value to a variable?	>	+	=	*
14	All these are relational operators except:	>	+	>=	==
15	A loop within a loop is called:	Nested loop	Complex loop	Outer loop	Inner loop

PBD-12-18

Computer Science (Subjective)

Time: 02:10 Hours

Marks: 60

SECTION – I

2. Write short answers to any SIX parts.

12

(MS – Access)

- (i) Define data inconsistency.
- (ii) List any two problems in traditional file approach.
- (iii) Define composite key / concatenate key.
- (iv) Write the purpose of feasibility study.
- (v) What is meant by entity integrity?
- (vi) Define the term synonym.
- (vii) List any two advantages of reports.
- (viii) What is the use of SELECT query?
- (ix) State the purpose of radio buttons.

3. Write short answers to any SIX parts.

12

(C – Language)

- (i) What is meant by language processor?
- (ii) Define preprocessor directive.
- (iii) List four keywords in C.
- (iv) Why the logical error is the most difficult error to find?
- (v) Write about data type in C.
- (vi) What is the use of "getch" function?
- (vii) Trace the errors in the following code:


```
#includes<stdio.h>
void Main();
{
    printf( " Hello World " );
}
```
- (viii) Determine the output:


```
char w1, w2, w3;
w1 = 'A';
w2 = 'B';
w3 = 'C';
printf( " % c w2 % c " , w1 , w3 );
```
- (ix) Determine the output:


```
int x = 3;
printf( " % d % d " , x , 2*x );
```

OR (Visual Basic)

- (i) Which language is used to write algorithms?
- (ii) Why is it necessary to test a program?
- (iii) Write the use of text box.
- (iv) Write two examples of events.
- (v) Find error in following code:


```
Dim MyAge As Integer
Dim Name As String
```
- (vi) Find error in following:


```
If x = 5
x = 3
```
- (vii) Define control structure in VB.
- (viii) Write the use of NOT operator.
- (ix) Differentiate between '+' and '&'.

4. Write short answers to any SIX parts.

12

(C – Language)

- (i) Name any two control structures.
- (ii) What is meant by loop?
- (iii) Determine the output:


```
int x = 50;
int y = 25;
if ( x % y == 0 )
    printf( " Result = % d " , x % y );
else
    printf( " No result " );
```
- (iv) Determine the output


```
int x = 0;
for ( x = 1 ; x <= 15 ; x ++ )
{
    printf( " % d \n " , x * x );
    x ++ ;
}
```
- (v) Find errors:


```
void main (void)
{
    int x = 10;
    if ( x = 10 )
        printf( " True " );
    end if
}
```
- (vi) Convert the following for loop into while loop:


```
int a = 0;
for ( a = 10 ; a >= 1 ; a -- )
{
    printf( " %d " , a );
    printf( " \n " );
    a -- = 2 ;
}
```
- (vii) Why is function used in program?
- (viii) List two types of functions in C.
- (ix) Define the stream in C-Language.

(Continued P / 2)

FRD-12-18

OR (Visual Basic)

- (i) What is the use of message box?
- (ii) What is the counter controlled loop?
- (iii) Determine the output of the following code:
Dim P As Integer
P = 8
If P = 8 then
print P mode 8
- (iv) Find errors in the following code:
Dim x As integer
x = 49;
if x % 2 = 0
then print "even"
- (v) How does a function return a value?
- (vi) What is the life time of a local variable?
- (vii) What is meant by event driven programming?
- (viii) What is the use of file pointer?
- (ix) Write syntax of If - Then - Else structure.

SECTION - II Each question carries 08 marks.

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

- 5. What is a key? Discuss different types of keys used in database.
- 6. What are reports? Explain any two types of reports.

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

(C - Language)

- 7. What are identifiers in C-Language? Discuss their types.
- 8. Write a program in C-Language which input a year from keyboard and find whether it is a leap year or not.
- 9. Define while loop. Write its syntax and draw flowchart. Also explain its working using an example.
(Visual Basic)
- 7. Explain any four components of Visual Basic IDE.
- 8. Write a program in Visual Basic which input a year from keyboard in a text box and find whether it is a leap year or not.
- 9. Define While - Wend loop. Explain its working using an example.