

National Testing Agency

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Art of C Programming

Group Number :	1
Group Id :	89951491
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Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No

Art of C Programming

Section Id :	899514109
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	100
Number of Questions to be attempted :	100

Section Marks : 100
Mark As Answered Required? : Yes
Sub-Section Number : 1
Sub-Section Id : 899514141
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 8995148107 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

The symbol denotes



1. Input
2. Initialization
3. Decision
4. Output

Options :

89951432058. 1
89951432059. 2
89951432060. 3
89951432061. 4

Question Number : 2 Question Id : 8995148108 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Actual instructions in flowcharting are represented in -----

1. Diamond
2. Circle
3. Doted circle
4. Boxes

Options :

89951432062. 1
89951432063. 2
89951432064. 3
89951432065. 4

Question Number : 3 Question Id : 8995148109 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Structured program indicates

1. Uses structure in a program
2. Uses object in a program
3. Divides into classes
4. Divides the program into different program module

Options :

- 89951432066. 1
- 89951432067. 2
- 89951432068. 3
- 89951432069. 4

Question Number : 4 Question Id : 8995148110 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Among the following statements which is true about pseudocodes

1. It is pictorial representation
2. It is an executable code
3. Acts as a bridge between the program and the algorithm
4. All of the above

Options :

- 89951432070. 1
- 89951432071. 2
- 89951432072. 3
- 89951432073. 4

Question Number : 5 Question Id : 8995148111 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

To repeat a particular task we use

1. Conditional statement
2. Loop statement
3. Input statement
4. Output statement

Options :

- 89951432074. 1
- 89951432075. 2
- 89951432076. 3
- 89951432077. 4

Question Number : 6 Question Id : 8995148112 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is an algorithm

- 1. Step by step instructions to solve a problem
- 2. Pictorial representation of a problem
- 3. Pseudocode of a problem
- 4. Decision towards a problem

Options :

- 89951432078. 1
- 89951432079. 2
- 89951432080. 3
- 89951432081. 4

Question Number : 7 Question Id : 8995148113 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

If then else check

- 1. Many condition
- 2. One condition
- 3. Two condition
- 4. Three condition

Options :

- 89951432082. 1
- 89951432083. 2
- 89951432084. 3
- 89951432085. 4

Question Number : 8 Question Id : 8995148114 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What does a searching algorithm do

- 1.Search through a set of data
- 2.Search for the smallest element
- 3.Organize the data
4. Search for the largest element

Options :

89951432086. 1
89951432087. 2
89951432088. 3
89951432089. 4

Question Number : 9 Question Id : 8995148115 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Predict the 5th step in the algorithm of interest calculating problem:

Step 1: Read amount,

Step 2: Read years,

Step 3: Read rate,

Step 4: Calculate the interest with formula " $\text{Interest} = \text{Amount} * \text{Years} * \text{Rate} / 100$ "

Step 5: -----

1. Read Interest
2. Loop Interest
3. Print Interest
4. None of the above

Options :

89951432090. 1
89951432091. 2
89951432092. 3
89951432093. 4

Question Number : 10 Question Id : 8995148116 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A top-down design is also known as

1. class design
2. stepwise design
3. object design
4. All of the above

Options :

89951432094. 1
89951432095. 2
89951432096. 3
89951432097. 4

Question Number : 11 Question Id : 8995148117 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What will be the output of the following C code ?

```
#include <stdio.h>
int test;
void main()
{   if (test)
    printf("An Error");
    else
    printf("Not a Compile time Error");}
```

1. An Error
2. Not a Compile time Error
3. Compile time Error
4. Run time Error

Options :

89951432098. 1
89951432099. 2
89951432100. 3
89951432101. 4

Question Number : 12 Question Id : 8995148118 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is not a keyword in C

- 1.extern
- 2.volatile
- 3.auto
- 4.new

Options :

- 89951432102. 1
- 89951432103. 2
- 89951432104. 3
- 89951432105. 4

Question Number : 13 Question Id : 8995148119 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What will be the output of the following C code?

```
#include <stdio.h>
int main()
{
    signed char chr;
    chr = 128;
    printf("%d\n", chr);
    return 0; }
```

- 1.128
- 2.Displays an Error
- 3.-128
- 4.0

Options :

- 89951432106. 1
- 89951432107. 2
- 89951432108. 3
- 89951432109. 4

Question Number : 14 Question Id : 8995148120 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What will be the output of the following C code?

```
#include <stdio.h>
int main()
{ float xx = 'A';
  printf("%f", xx);
  return 0; }
```

1. Displays an Error
2. Displays a garbage value
3. 0
4. 65.000000

Options :

- 89951432110. 1
- 89951432111. 2
- 89951432112. 3
- 89951432113. 4

Question Number : 15 Question Id : 8995148121 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following section is mandatory in a C program

- 1. documentation
- 2. link
- 3. sub function
- 4. global declaration

Options :

- 89951432114. 1
- 89951432115. 2
- 89951432116. 3
- 89951432117. 4

Question Number : 16 Question Id : 8995148122 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In C, the scope of a variable is preserved in

- 1.local declarations
- 2.local static declarations
- 3.global declarations
- 4.automatic declearations

Options :

89951432118. 1
89951432119. 2
89951432120. 3
89951432121. 4

Question Number : 17 Question Id : 8995148123 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The types of errors in the following C program are

```
#include<stdio.h>
void Main()
{ int a = 10;
  int b,c;
  b+c=a;
  printf("%d", a); }
```

- 1.Run time Error and Syntax Error
- 2.Linker Error and Syntax Error
- 3.Syntax Error and Semantic error
- 4.Semantic error and Linker Error

Options :

89951432122. 1
89951432123. 2
89951432124. 3
89951432125. 4

Question Number : 18 Question Id : 8995148124 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Is it possible to run a C program without including preprocessor directives

- 1.Possible
- 2.Impossible
- 3.Depends on the program logic
- 4.Depends on the compiler

Options :

89951432126. 1
89951432127. 2
89951432128. 3
89951432129. 4

Question Number : 19 Question Id : 8995148125 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The biggest built-in data type possible in C is.

- 1.double
- 2.long int
- 3.long double
- 4.Unsigned long

Options :

89951432130. 1
89951432131. 2
89951432132. 3
89951432133. 4

Question Number : 20 Question Id : 8995148126 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Intermediate code is generated by which of the following language translator

- 1.Interpreter
- 2.Cross-Assembler
- 3.Compiler
- 4.All of the above

Options :

89951432134. 1
89951432135. 2

89951432136. 3

89951432137. 4

Question Number : 21 Question Id : 8995148127 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is not a compound assignment operator?

1. +=

2. ==

3. *=

4. /=

Options :

89951432138. 1

89951432139. 2

89951432140. 3

89951432141. 4

Question Number : 22 Question Id : 8995148128 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is the value of 'x' in the sample code given below?

```
x= 10-3%8+6/4
```

1.45

2.30

3.15

4.1/4

Options :

89951432142. 1

89951432143. 2

89951432144. 3

89951432145. 4

Question Number : 23 Question Id : 8995148129 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following program

```
int main()
{   int p = 0, q = 1;
    p = q++;
    p = ++q;
    p = q--;
    p = --q;
    printf("p=%d\tq=%d",p,q);
    return 0;}
```

1.1 1

2.0 1

3.1 2

4.0 2

Options :

89951432146. 1

89951432147. 2

89951432148. 3

89951432149. 4

Question Number : 24 Question Id : 8995148130 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Associativity of unary minus operator (-) is from

1. Left to right

2. Top to bottom

3. Right to left

4. Bottom to top

Options :

89951432150. 1

89951432151. 2

89951432152. 3

89951432153. 4

Question Number : 25 Question Id : 8995148131 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following type of operators have the highest precedence

1. Arithmetic operators
2. Relational operators
3. Logical operators
4. Both (1) and (2)

Options :

89951432154. 1
89951432155. 2
89951432156. 3
89951432157. 4

Question Number : 26 Question Id : 8995148132 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Among the following, which is not a true statement regarding ++ operator

1. The operand can come before or after the operator
2. It is a binary operator
3. It associates from right
4. It cannot be applied to an expression

Options :

89951432158. 1
89951432159. 2
89951432160. 3
89951432161. 4

Question Number : 27 Question Id : 8995148133 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

To print out x and y given below, which of the following printf() statement is used

```
#include<stdio.h>
```

```
float a=3.51;
```

```
double b=5.13;
```

1. printf("%d %d", x, y);
2. printf("%d %f", x, y);
3. printf("%f %f", x, y);
4. printf("%f %lf", x, y);

Options :

89951432162. 1

89951432163. 2

89951432164. 3

89951432165. 4

Question Number : 28 Question Id : 8995148134 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which among the following is the odd one out?

1. putchar

2. printf

3. scanf

4. fprintf

Options :

89951432166. 1

89951432167. 2

89951432168. 3

89951432169. 4

Question Number : 29 Question Id : 8995148135 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The default return-type of getchar() is

1.char

2.int

3.*char

4.float

Options :

89951432170. 1

89951432171. 2

89951432172. 3

89951432173. 4

Question Number : 30 Question Id : 8995148136 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Among the following which defines the working of getchar()

1. The next input character each time it is called
2. EOF when it encounters end of file
3. The next input character each time it is called EOF when it encounters end of file
4. None of the above

Options :

89951432174. 1
89951432175. 2
89951432176. 3
89951432177. 4

**Question Number : 31 Question Id : 8995148137 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

What is the output of the C Program.?(Assume all header files are included)

```
int main()
{
    if( 5 > 5 )
        printf("Hello");
        printf("Yes");
    return 0;}
1.HelloYes
2.Hello
3.Yes
4. Nothing will be displayed
```

Options :

89951432178. 1
89951432179. 2
89951432180. 3
89951432181. 4

**Question Number : 32 Question Id : 8995148138 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

What will be the output of the following C Program?

```
int main()
{
    if(2)
        printf("Yes");
        printf("No");
    return 0;}

```

- 1.Yes
- 2.YesNo
- 3.No
- 4.Nothing will be displayed

Options :

89951432182. 1
89951432183. 2
89951432184. 3
89951432185. 4

Question Number : 33 Question Id : 8995148139 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What will be the output of the following C Program?

```
#include <stdio.h>
int main()
{
    int ab=1;
    if(ab==1)
    {
        printf("Hello...");
        break;
        printf("Ok"); }
    else
    {
        printf("Hey"); }
    return 0;}

```

- 1.Error
- 2.Hello
- 3.Ok
- 4.Hey

Options :

89951432186. 1
89951432187. 2
89951432188. 3

89951432189. 4

Question Number : 34 Question Id : 8995148140 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What will be the output of the following C Program?(Assume all header files are included)

```
int main()
{   While(1){}
    printf("Yes");
    printf("No");
    return 0; }
```

1. YesNo YesNo YesNo YesNo.....
2. YesNo
3. Syntax Error
4. Continuous execution

Options :

89951432190. 1
89951432191. 2
89951432192. 3
89951432193. 4

Question Number : 35 Question Id : 8995148141 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which control structure is the best alternative for handling multiple options for a condition in C?

1. multiple if
2. multilevel if
3. nested if
4. switch ...case

Options :

89951432194. 1
89951432195. 2
89951432196. 3
89951432197. 4

Question Number : 36 Question Id : 8995148142 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What will be the output of the following C Program?

```
#include <stdio.h>
int main()
{   if( (-10 && 0)|| (2 && -2) )
    printf("%s","True.");
    else
    printf("%s","False.");
    return 0;}
```

- 1.False
- 2.Syntax Error
- 3.True
- 4.Nothing will be displayed

Options :

89951432198. 1
89951432199. 2
89951432200. 3
89951432201. 4

Question Number : 37 Question Id : 8995148143 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statement is true concerning do..while loop in C.

- 1.do..while loop is entry controlled loop
- 2 do..while loop is executed only once
- 3 do..while loop is auto-incrementing
4. do..while loop is executed at least once

Options :

89951432202. 1
89951432203. 2
89951432204. 3
89951432205. 4

Question Number : 38 Question Id : 8995148144 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following keyword is not a part of unconditional jumps in C

- 1.goto
- 2.continue
- 3.default
- 4.break

Options :

89951432206. 1
89951432207. 2
89951432208. 3
89951432209. 4

Question Number : 39 Question Id : 8995148145 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What will be the output of the following C Program?

```
#include <stdio.h>
int main()
{ int i = 10;
  for (; i; i >>= 1)
    printf("C");
  return 0;}
```

- 1.CCCC
- 2.CCCCCCCCCC
- 3.CC
- 4.CCCCCC

Options :

89951432210. 1
89951432211. 2
89951432212. 3
89951432213. 4

Question Number : 40 Question Id : 8995148146 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What will be the output of the following C Program?

```
#include <stdio.h>
int main()
{   int i = 0;
    switch (i)
    {
        case '0': printf("A");
                    break;
        case '1': printf("B");
                    break;
        default: printf("ABC");
    }   return 0;}
```

1.AB
2.A
3.B
4.ABC

Options :

- 89951432214. 1
- 89951432215. 2
- 89951432216. 3
- 89951432217. 4

Question Number : 41 Question Id : 8995148147 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following statements causes a jump out of the loop instantly without any conditional check

- 1. continue
- 2. break
- 3. if
- 4. goto

Options :

- 89951432218. 1
- 89951432219. 2
- 89951432220. 3
- 89951432221. 4

Question Number : 42 Question Id : 8995148148 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A do-while loop is useful when we want the statements within the loop must be executed

1. at least once
2. only once
3. more than once
4. at least twice

Options :

89951432222. 1
89951432223. 2
89951432224. 3
89951432225. 4

Question Number : 43 Question Id : 8995148149 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the difference between the 3's in the two given expressions?

```
int value[3];  
value[3]=10;
```

1. first is a particular element, second is type
2. first is array size, second is a particular element
3. first is not valid, second is array size
4. both indicate size of the array

Options :

89951432226. 1
89951432227. 2
89951432228. 3
89951432229. 4

Question Number : 44 Question Id : 8995148150 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following character is used to indicate the end of a string?

1. white space
2. last character of the string
3. '\'
4. '\0'

Options :

89951432230. 1
89951432231. 2
89951432232. 3
89951432233. 4

Question Number : 45 Question Id : 8995148151 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is the default initial value of a static variable?

1. garbage value
2. null
3. 0
4. it should be initialized explicitly

Options :

89951432234. 1
89951432235. 2
89951432236. 3
89951432237. 4

Question Number : 46 Question Id : 8995148152 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be output of the following program?

```
#include<stdio.h>
int x=100;
void print();
void main()
{
    int x=10;
    print();
}
void print()
{
    printf("%d",x);
}
1.10
2. 100
3. will generate error
4. both 1 & 2
```

Options :

- 89951432238. 1
- 89951432239. 2
- 89951432240. 3
- 89951432241. 4

Question Number : 47 Question Id : 8995148153 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following function is necessary to execute a C program?

- 1. printf()
- 2. getch()
- 3. clrscr()
- 4. main()

Options :

- 89951432242. 1
- 89951432243. 2
- 89951432244. 3
- 89951432245. 4

Question Number : 48 Question Id : 8995148154 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Which if the following is not true with passing arguments to function by value

1. value of actual argument is copied into the function
2. changes in formal arguments will not alter actual argument
3. only a single argument can be passed by value
4. actual arguments can be either constants or variable

Options :

- 89951432246. 1
- 89951432247. 2
- 89951432248. 3
- 89951432249. 4

Question Number : 49 Question Id : 8995148155 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

The recursive functions are executed in

1. parallel order
2. last in first out order
3. first in first out order
4. random order

Options :

- 89951432250. 1
- 89951432251. 2
- 89951432252. 3
- 89951432253. 4

Question Number : 50 Question Id : 8995148156 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Which of the following function components are not terminated with a semicolon?

1. function prototype
2. function definition
3. function call
4. all of these are terminated with semicolon

Options :

- 89951432254. 1
- 89951432255. 2
- 89951432256. 3
- 89951432257. 4

Question Number : 51 Question Id : 8995148157 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the maximum number of dimensions possible for an array in C?

- 1.2
- 2.3
- 3.10
- 4. no limit

Options :

- 89951432258. 1
- 89951432259. 2
- 89951432260. 3
- 89951432261. 4

Question Number : 52 Question Id : 8995148158 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What will be the size of the array if it is declared as
`int ar[3][5];`

- 1. 3
- 2. 5
- 3. 8
- 4. 15

Options :

- 89951432262. 1
- 89951432263. 2
- 89951432264. 3
- 89951432265. 4

Question Number : 53 Question Id : 8995148159 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The maximum length of a string that can be stored in an array declared as `char str[5][10]`

1. 9
2. 50
3. 4
4. 15

Options :

89951432266. 1
89951432267. 2
89951432268. 3
89951432269. 4

Question Number : 54 Question Id : 8995148160 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the default return type if it is not specified in function definition?

1. void
2. int
3. float
4. char

Options :

89951432270. 1
89951432271. 2
89951432272. 3
89951432273. 4

Question Number : 55 Question Id : 8995148161 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is not a loop structure in C?

1. for
2. while
3. do-while
4. if

Options :

89951432274. 1
89951432275. 2
89951432276. 3
89951432277. 4

Question Number : 56 Question Id : 8995148162 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

The continue statement cannot be used with

1. for
2. while
3. switch
4. do-while

Options :

89951432278. 1
89951432279. 2
89951432280. 3
89951432281. 4

Question Number : 57 Question Id : 8995148163 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Do while loop terminates when the conditional expression returns

1. one
2. zero
3. non zero
4. true

Options :

89951432282. 1
89951432283. 2
89951432284. 3
89951432285. 4

Question Number : 58 Question Id : 8995148164 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Which of the following is not a storage class

1. auto
2. extrn
3. static
4. register

Options :

89951432286. 1
89951432287. 2
89951432288. 3
89951432289. 4

Question Number : 59 Question Id : 8995148165 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

If the names of local and global variables are same, what will happen?

1. Local variable will have higher priority
2. global variable will have higher priority
3. the one defined first will get higher priority
4. will generate an error

Options :

89951432290. 1
89951432291. 2
89951432292. 3
89951432293. 4

Question Number : 60 Question Id : 8995148166 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Where are the automatic variables stored?

1. in memory or in register
2. in disk
3. In register
4. In memory

Options :

89951432294. 1
89951432295. 2

89951432296. 3

89951432297. 4

Question Number : 61 Question Id : 8995148167 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Output of following program?

```
# include <stdio.h>
void fun(int *ptr)
{   *ptr = 30;}
int main()
{   int y = 20;
    fun(&y);
    printf("%d", y);
    return 0;}
```

1. 20
2. 30
3. Compiler Error
4. Runtime Error

Options :

89951432298. 1

89951432299. 2

89951432300. 3

89951432301. 4

Question Number : 62 Question Id : 8995148168 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the syntax of CALLOC to allocate memory to an array at runtime.?

1. `int *p;`
`p = (int*)calloc(10, sizeof(int));`
2. `int *p;`
`p = (int*)calloc(10*sizeof(int));`
3. `int *p;`
`p = (int*)calloc(sizeof(int), 10);`
4. `int *p;`
`p = (int*)calloc(10, sizeof(int *))`

Options :

- 89951432302. 1
- 89951432303. 2
- 89951432304. 3
- 89951432305. 4

Question Number : 63 Question Id : 8995148169 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Assume that float takes 4 bytes, predict the output of following program.

```
#include <stdio.h>
```

```
int main()
```

```
{ float arr[5] = {12.5, 10.0, 13.5, 90.5, 0.5};
```

```
float *ptr1 = &arr[0];
```

```
float *ptr2 = ptr1 + 3;
```

```
printf("%f ", *ptr2);
```

```
printf("%d", ptr2 - ptr1);
```

```
return 0;}
```

1. 90.500000 3

2. 90.500000 12

3. 10.000000 12

4. 0.500000 3

Options :

- 89951432306. 1
- 89951432307. 2
- 89951432308. 3
- 89951432309. 4

Question Number : 64 Question Id : 8995148170 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Choose a correct Syntax for malloc() function to allocate memory to an array at run time.

1. `int *p;
p = (int*)malloc(10*sizeof(int));`
2. `int *p;
p = (int*)malloc(10,sizeof(int));`
3. `int *p;
p = (int*)malloc(sizeof(int), 10);`
4. `int *p;
p = (int*)malloc(10*sizeof(int *));`

Options :

89951432310. 1
89951432311. 2
89951432312. 3
89951432313. 4

Question Number : 65 Question Id : 8995148171 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the output of this code?

```
int main()  
{ char *ptr = "CU Campus";  
printf("%cn", *&*&*ptr);  
return 0;}
```

1. Compiler Error
2. Garbage Value
3. Runtime Error
4. C

Options :

89951432314. 1
89951432315. 2
89951432316. 3
89951432317. 4

Question Number : 66 Question Id : 8995148172 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The reason for using pointers in a C program is

1. Pointers allow different functions to share and modify their local variables.
2. To pass large structures so that complete copy of the structure can be avoided.
3. Pointers enable complex "linked" data structures like linked lists and binary trees.
4. All of the above

Options :

- 89951432318. 1
- 89951432319. 2
- 89951432320. 3
- 89951432321. 4

Question Number : 67 Question Id : 8995148173 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Comment on the following?

```
const int *ptr;
```

1. You cannot change the value pointed by ptr
2. You cannot change the pointer ptr itself
3. Both (1) and (2)
4. You can change the pointer as well as the value pointed by it

Options :

- 89951432322. 1
- 89951432323. 2
- 89951432324. 3
- 89951432325. 4

Question Number : 68 Question Id : 8995148174 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which is an indirection operator among the following?

1. &
2. *
3. ->
4. .

Options :

- 89951432326. 1
- 89951432327. 2

89951432328. 3

89951432329. 4

Question Number : 69 Question Id : 8995148175 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following does not initialize ptr to null (assuming variable declaration of a as int a=0)?

1. `int *ptr = &a;`
2. `int *ptr = &a - &a;`
3. `int *ptr = a - a;`
4. All of the mentioned

Options :

89951432330. 1

89951432331. 2

89951432332. 3

89951432333. 4

Question Number : 70 Question Id : 8995148176 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What does the following C-statement declare? `int (*f) (int*);`

1. A function that takes an integer pointer as argument and returns an integer
2. A function that takes an integer as argument and returns an integer pointer
3. A pointer to a function that takes an integer pointer as argument and returns an integer
4. A function that takes an integer pointer as argument and returns a function pointer

Options :

89951432334. 1

89951432335. 2

89951432336. 3

89951432337. 4

Question Number : 71 Question Id : 8995148177 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Members of a union are accessed as _____

1. union-name.member
2. union-pointer->member
3. Both 1 & 2
4. None of the mentioned

Options :

89951432338. 1
89951432339. 2
89951432340. 3
89951432341. 4

Question Number : 72 Question Id : 8995148178 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following share a similarity in syntax?

1. Union, 2. Structure, 3. Arrays and 4. Pointers
1. 3 and 4
 2. 1 and 2
 3. 31 and 3
 4. 1, 3 and 4

Options :

89951432342. 1
89951432343. 2
89951432344. 3
89951432345. 4

Question Number : 73 Question Id : 8995148179 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

For binary files, a ____ must be appended to the mode string.

1. Nothing
2. "b"
3. "binary"
4. "01"

Options :

89951432346. 1
89951432347. 2

89951432348. 3

89951432349. 4

Question Number : 74 Question Id : 8995148180 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following mode argument is used to truncate?

1. a
2. f
3. w
4. t

Options :

89951432350. 1

89951432351. 2

89951432352. 3

89951432353. 4

Question Number : 75 Question Id : 8995148181 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What will be the size of the following structure?

```
#include <stdio.h>
```

```
struct temp
```

```
{ int a[10];
```

```
char p; };
```

1. 5
2. 11
3. 41
4. 44

Options :

89951432354. 1

89951432355. 2

89951432356. 3

89951432357. 4

Question Number : 76 Question Id : 8995148182 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is the similarity between a structure, union and enumeration?

1. All of them let you define new values
2. All of them let you define new data types
3. All of them let you define new pointers
4. All of them let you define new structures

Options :

89951432358. 1

89951432359. 2

89951432360. 3

89951432361. 4

Question Number : 77 Question Id : 8995148183 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which among the following is never possible in C when members are different in a structure and union?

Let P be a structure

Let Q be a union

1. sizeof(P) is greater than sizeof(Q)
2. sizeof(P) is less than sizeof(Q)
3. sizeof(P) is equal to sizeof(Q)
4. None of the above

Options :

89951432362. 1

89951432363. 2

89951432364. 3

89951432365. 4

Question Number : 78 Question Id : 8995148184 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which one of the following is correct syntax for opening a file.

1. FILE *fopen(const *filename, const char *mode)
2. FILE *fopen(const *filename)
3. FILE *open(const *filename, const char *mode)
4. FILE open(const*filename)

Options :

- 89951432366. 1
- 89951432367. 2
- 89951432368. 3
- 89951432369. 4

Question Number : 79 Question Id : 8995148185 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the function of the mode 'w+'?

- 1. create text file for writing, discard previous contents if any
- 2. create text file for update, discard previous contents if any
- 3. create text file for writing, do not discard previous contents if any
- 4. create text file for update, do not discard previous contents if any

Options :

- 89951432370. 1
- 89951432371. 2
- 89951432372. 3
- 89951432373. 4

Question Number : 80 Question Id : 8995148186 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

EOF is an integer type defined in stdio. hand has a value _____

- 1. 1
- 2. 0
- 3. NULL
- 4. -1

Options :

- 89951432374. 1
- 89951432375. 2
- 89951432376. 3
- 89951432377. 4

Question Number : 81 Question Id : 8995148187 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The _____ function reads atmost one less than the number of characters specified by size from the given stream and it is stored in the string str.

1. fget()
2. fgets()
3. fput()
4. fputs()

Options :

89951432378. 1

89951432379. 2

89951432380. 3

89951432381. 4

Question Number : 82 Question Id : 8995148188 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the correct difference between getc() and fgetc().

1. If it is not a macro, it may evaluate stream more than once
2. if it is amacro, it may not evaluate stream more than once
3. if it is a macro, it may evaluate stream more than once
4. no difference between fgetc() and getc()

Options :

89951432382. 1

89951432383. 2

89951432384. 3

89951432385. 4

Question Number : 83 Question Id : 8995148189 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

what is the function of fputs()?

1. read a line from a file
2. read a character from a file
3. write a character to a file
4. write a line to a file

Options :

89951432386. 1

89951432387. 2

89951432388. 3

89951432389. 4

Question Number : 84 Question Id : 8995148190 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

If there is any error while opening a file, fopen will return

1. Nothing
2. EOF
3. NULL
4. Depends on compile

Options :

89951432390. 1

89951432391. 2

89951432392. 3

89951432393. 4

Question Number : 85 Question Id : 8995148191 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

fputs adds newline character

1. True
2. False
3. Depends on the standard
4. Undefine

Options :

89951432394. 1

89951432395. 2

89951432396. 3

89951432397. 4

Question Number : 86 Question Id : 8995148192 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the output of an assembler?

1. Executable code
2. Object code
3. Assembly language code
4. Output of the printf statements in the programme

Options :

- 89951432398. 1
- 89951432399. 2
- 89951432400. 3
- 89951432401. 4

Question Number : 87 Question Id : 8995148193 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The executable part a C program consists entirely of

1. functions
2. procedures and functions
3. declarations and functions
4. loops and recursions

Options :

- 89951432402. 1
- 89951432403. 2
- 89951432404. 3
- 89951432405. 4

Question Number : 88 Question Id : 8995148194 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Turbo C is a

1. Compiler
2. Pre-processor and Loader
3. Assembler
4. All of the above

Options :

- 89951432406. 1
- 89951432407. 2

89951432408. 3

89951432409. 4

Question Number : 89 Question Id : 8995148195 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The preprocessor removes the _____ from the source code.

1. comments
2. header files
3. both comments and header files
4. none of the mentioned

Options :

89951432410. 1

89951432411. 2

89951432412. 3

89951432413. 4

Question Number : 90 Question Id : 8995148196 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The compiler converts

1. assembly code into machine code
2. preprocessed source code into assembly code
3. machine code into assembly code
4. none of the mentioned

Options :

89951432414. 1

89951432415. 2

89951432416. 3

89951432417. 4

Question Number : 91 Question Id : 8995148197 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A user defined data type, which is used to assign names to integral constants is called _____

1. Union
2. Array
3. Structure
4. Enum

Options :

89951432418. 1
89951432419. 2
89951432420. 3
89951432421. 4

Question Number : 92 Question Id : 8995148198 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Point out the error (if any) in the following C code?

```
#include<stdio.h>
enum hello
{ a,b,c; };
main()
{ enum hello m;
  printf("%d",m); }
```

1. No error
2. Error in the statement: a,b,c;
3. Error in the statement: enum hello m;
4. Error in the statement: printf("%d",m);

Options :

89951432422. 1
89951432423. 2
89951432424. 3
89951432425. 4

Question Number : 93 Question Id : 8995148199 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Pick the incorrect statement with respect to enums.

1. Two enum symbols cannot have the same value
2. Only integer constants are allowed in enums
3. It is not possible to change the value of enum symbols
4. Enum variables are automatically assigned values if no value is specified

Options :

- 89951432426. 1
- 89951432427. 2
- 89951432428. 3
- 89951432429. 4

Question Number : 94 Question Id : 8995148200 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

C preprocessor is conceptually the first step during compilation.

1. True
2. False
3. Depends on the compiler
4. Depends on the standard

Options :

- 89951432430. 1
- 89951432431. 2
- 89951432432. 3
- 89951432433. 4

Question Number : 95 Question Id : 8995148201 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

#include <somefile.h> are _____ files and #include "somefile.h" _____ files.

1. Library, Library
2. Library, user-created header
3. User-created header, library
4. They can include all types of file

Options :

- 89951432434. 1
- 89951432435. 2
- 89951432436. 3

89951432437. 4

Question Number : 96 Question Id : 8995148202 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is a preprocessor?

1. That processes its input data to produce output that is used as input to another program
2. That is nothing but a loader
3. That links various source files
4. All of the mentioned

Options :

89951432438. 1

89951432439. 2

89951432440. 3

89951432441. 4

Question Number : 97 Question Id : 8995148203 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

#include statement must be written _____

1. Before main()
2. Before any scanf/printf
3. After main()
4. It can be written anywhere

Options :

89951432442. 1

89951432443. 2

89951432444. 3

89951432445. 4

Question Number : 98 Question Id : 8995148204 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is #include directive?

1. Tells the preprocessor to grab the text of a file and place it directly into the current file
2. Statements are not typically placed at the top of a program
3. All of the mentioned
4. None of the mentioned

Options :

89951432446. 1
89951432447. 2
89951432448. 3
89951432449. 4

**Question Number : 99 Question Id : 8995148205 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

The preprocessor provides the ability for _____

1. The inclusion of header files
2. The inclusion of macro expansions
3. Conditional compilation and line control
4. All of the mentioned

Options :

89951432450. 1
89951432451. 2
89951432452. 3
89951432453. 4

**Question Number : 100 Question Id : 8995148206 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

What will be the output of the following C code?

```
#include <stdio.h>
void main()
{int a = -5;
int k = (a++, ++a);
printf("%d\n", k);}
```

1. -3
2. -5
3. 4
4. Undefined

Options :

89951432454. 1
89951432455. 2
89951432456. 3
89951432457. 4