

COMPUTER 2021

(AS PER CONDENSED SYLLABUS)

OPTION I - PROGRAMMING USING "C"

TIME: 2 Hours

(100 Marks)

NOTE:

- This section consists of 36 part questions and all are to be answered. Each question carries ONE marks.
- Do not copy the part questions in your answer book. Write only the answer in full against the proper number of the question

SECTION 'A' (Multiple Choice Questions) (36)

1. Select the correct answer for each from the given options:

(i) This data type in C occupies 4 times as many bytes of memory as type char:

- * int * float ✓ * double * long float

(ii) A block of instructions that performs a specific task, is a/an:

- * function ✓ * loop * string * array

(iii) Every statement in C must end with:

- * : * } * ; ✓ *

(iv) A variable that can hold the value 234 having a data type:

- * char * float * int ✓ * double

(v) A relational operator is used to:

- * change variable to logical values * Compare values ✓

* distinguish different types of variables * combine values

(vi) This statement causes an exit only from the inner most switch:

- * continue * goto * break ✓ * default

(vii) Multiple increment expression in a for loop expression is separated by:

- * < * : * ; * , ✓

(viii) A string is terminated by a null character which is written as:

- * \0 ✓ * // * \n * *

(ix) Type char can accommodate numbers from:

- * -32768 to +32767 * 3.4e-38 to 3.4e+38

- * -128 to 127 ✓ * 0 to 65565

(x) The function designed specially to read string from the keyboard:

- * getch() * puts() * gets() ✓ * getchar()

(xi) An external variable is defined:

- * in the first function that uses it

- * in any function that uses it

- * in main () only

- * outside of any function ✓

(xii) This function is used to clear the screen:

- * clear * clrscr ✓ * Clrsr * CLSO

(xiii) This format specifier is used for exponential notation:

- * %e ✓ * %x * %xd * %d

(xiv) In switch statement if no match is found with any case statement, only the statements following are execute in:

- * else * continue * default ✓ * break

(xv) A loop performed within another loop is said to be:

- * nested loop ✓ * conditional loop

- * recursive loop * continuous loop

(xvi) Three types of control structures are:

- * initialization, condition, increment

- * sequence, selection, iteration ✓

- * sequential, selection, conditional

- * initialization, condition, decrement

(xvii) String is:

- * a collection of characters

- * an array of characters ✓

- * a list of characters

- * a single character

(xviii) This will be output of 22% 3:

- * 3 * 1 ✓ * 22 * 0

(xix) The function scanf() reads:

- * any possible number * a single character

- * any possible variable type ✓ * a character and a string

(xx) This loop will be executed at least once whether its condition is false:

- * for * while * do-while ✓ * continuous loop

(xxi) A variable which can be accessed by all program modules is called:

- * global variable ✓ * local variable

- * argument * private variable

(xxii) Case statement is used with:

- * printf() * scanf() * switch () ✓ * getch()

(xxiii) This statement is incorrect in C:

- * inf a; * float b; * double e; * character c; ✓

(xxiv) The escape sequence is used for:

- * tab * backspace * end of string * new line ✓

(xxv) This is called the address operator:

- * & ✓ * % * && * |

(xxvi) The library function sqrt (1024) returns:

- * 512 * 32 ✓ * 256 * 64

(xxvii) Quantities whose values cannot be changed during program execution are:

- * data files * variables * constants ✓ * functions

(xxviii) If a = -5, the statement a += 5 returns:

- * -15 * 0 ✓ * 10 * -5

(xxix) This expression is valid:

- * a++1 * 6++ * a++ ✓ * a++1

(xxx) This operator operates on only one operand:

- * = * == * && * ! ✓

(xxxi) This is invalid variable declaration

- * double c; * unsigned int F;

- * float p,q ✓ * char name;

(xxxii) What will be the output of the following statement:

- Printf("%0.2f", 633.6658)

- * 63.33 * 63 * 633.66 ✓ * 633.6

(xxxiii) This statement can terminate any loop immediately:

- * continue * switch * break ✓ * goto

(xxxiv) A format specifier used for int type variable is:

- * %c * %f * %d ✓ * %s

(xxxv) Function prototype is called:

- * Function definition * Function Declaration ✓

- * Function Calling * Function Repetation

(xxxvi) This sub directory contains header files:

- * lib * bin * include ✓ * bgi

SECTION 'B' (Short Answer Questions) (25)