

“Shri Swami Vivekanand Shikshan Sanstha , Kolhapur”  
**Raje Ramrao Mahavidyalaya , Jath**  
B.Sc.(Part-I) (Sem-II) Question Bank  
Programming Skills Using ‘C’

**Q1A) Multiple Choice Questions(10 questions for 1 mark each)**

- 1) Which of the following header file is required for strcpy() function?  
A) string.h                      B) strings.h      C) files.h      D) strcpy()
  
- 2) In C, a Union is  
A) memory location              B) memory store    C) memory screen      D) None of these
  
- 3) When the main function is called, it is called with the arguments  
A) argc              B) argv              C) None of these              D) both a & b
  
- 4) Which is the correct way to declare a pointer?  
A) int\_ptr;                      B) int \*ptr;              C) \*int ptr;      D) None of these.
  
- 5) Which is more appropriate for reading in a multi-word string?  
A) gets( )              B) Printf( )              C) scanf( )              D) puts ( ).
  
- 6) Function argument can be  
A) A structure member      B) A pointer variable              C) A complete structure      D) All of the above.
  
- 7) What is the similarity between a structure, union and enumeration?  
A) All of them let you define new values    B) All of them let you define new data types  
C) All of them let you define new pointers    D) All of them let you define new structures
  
- 8) Which is the correct way to declare a pointer?  
A)int\_ptr;    B) int \*ptr;      C) \*int ptr;      D) None of these.
  
- 9) Which of the following is character oriented console I/O function?  
A) getchar() and putchar()    B) gets() and puts()      C) scanf() and printf()      D) fgets() and fputs()
  
- 10) What is the control character for “a single character”.  
A) %c              B) %d              C) %i              D) %p
  
- 11) Which is an pointer indirection operator among the following?  
A) \*              B) &              C) #              D) %
  
- 12) Which of the following is not a keyword of ‘C’ ?  
A) auto              B) register              C) int              D) function
  
- 13) The keyword used to transfer control from a function back to the calling function is  
A) switch              B) goto              C) return              D) exit
  
- 14) Which escape character can be used to begin a new line in C?  
A) \a              B) \b              C) \m              D) \n

- 15) The default parameter passing mechanism is  
 A) Call by value    B) call by reference    C) call by value result    D) None
- 16) Which of the following are themselves a collection of different data types?  
 A) String    B) Structures    C) Char    D) None of the above
- 17) What is required in each C program?  
 A) The program must have at least one function.    B) Program does not require any function.  
 C) Input data    D) Output data\
- 18) Which operator connects the structure name to its member name?  
 A)-    B)=    C). dot    D)\$
- 19) Union differs from structure in the following way  
 A) . All members are used at a time    B) Only one member can be used at a time  
 C) Union cannot have more members    D) Union initialized all members as structure
- 20) Which of the following cannot be a structure member?  
 A) Function    B)Array    C)Structure    D)None of the above
- 21) A pointer is-----  
 A) Address of a variable    B) a variable for storing address    C) Data type of an address variable .  
 D) Indication of the variable to be accessed next.
- 22) Prototype of a function means -----  
 A) Name of Function    B) Output of Function    C) Declaration of Function  
 D) Input of a Function
- 23) What is the similarity between a structure ,union ?  
 A) All of them define new values    B) All of them define new data types  
 C) All of them define new pointers    D) All of them define new structures
- 24) The acronym ANSI stands for  
 A) American National Standards International    B) American National Standards Instructions  
 C) American National Standards Institute    D) American National Software Incorporation
- 25) FILE is a keyword in C for representing files and fp is a variable of  
 A) FILE type    B) FILE is a stream    C) FILE is a buffered stream  
 D) FILE is a structure and fp is a pointer to structure of file
- 26) The Library functions used for ----- are kept in the header file called stdio.h.  
 A) I/O purpose    B) Mathematical functions    C) Keywords    D) Functions
- 27) C language is available for which of the following Operating Systems?  
 A) DOS    B) Windows    C) Unix    D) All of these
- 28) fseek() should be preferred over rewind() mainly because  
 A) rewind() doesn't work for empty files    B) rewind() may fail for large files  
 C) In rewind ,there is no way to check if the operations completed successfully

D) All of these of the above

29) An Ampersand before the name of a variable denotes.

- A) An Ampersand before the name of a variable denotes. B) Actual Value  
C) Variable Name D) Address

30) size of union is size of the longest element in the union

- A)Yes B)No C)May be D)Can't say

31) Select in which of the following the character conversion is possible \_\_\_\_\_

- A) text stream B) binary stream C) output stream D) input stream

32) What will be the output of the following C function when EOF returns?

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int fputs(char *line, FILE *fp)
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- A) '?' character of array line is encountered B) 'n' character in array line is encountered  
C) 't' character in array line is encountered D) When an error occurs

33) Which escape character can be used to begin a new line in C?

- A) \a B) \b C) \m D) \n

34) Which of the following is character oriented console I/O function?

- A) getchar() and putchar() B) gets() and puts() C) scanf() and printf() d) fgets() and fputs()

35) Which of the following are themselves a collection of different data types?

- A) String B) Structures C) Char D) None of the above

36) Which of the following cannot be a structure member?

- A) Function B) Array C) Structure D) None of the above

37) Union differs from structure in the following way

- A) All members are used at a time B) Only one member can be used at a time  
C) Union cannot have more members D) Union initialized all members as structure

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

- A) All of them let you define new values B) All of them let you define new data types  
C) All of them let you define new pointers D) All of them let you define new structures

39) Size of a union is determined by size of the.

- A) First member in the union B) Last member in the union  
C) Biggest member in the union D) Sum of the sizes of all members

40) Members of a union are accessed as \_\_\_\_\_.

- A) union-name.member B) union-pointer->member C) Both a & b D) None of the mentioned

41) A mode which is used to open an existing file for both reading and writing \_\_\_\_\_

- A) "W" B) "W+" C) "R+" D) "A+"

42) Select a function which is used to write a string to a file \_\_\_\_\_

- A) puts() B) putc() C) fputs() D) fgets()

3. Select a function which is used to read a single character from a file at a time?

- A) fscanf() B) getch() C) fgetc() D) fgets()

- 43) Select a function which is used as a formatted output file function \_\_\_\_\_  
 A) printf()      B) fprintf()      C) puts()      D) fputs()
- 44) Select a program which get input data from datafile and also send output into datafile ,it is called \_\_\_\_\_  
 A) files      B) file processing      C) data files      D) file handling
- 45) Select text file in which data is stored in \_\_\_\_\_  
 A) ASCII code      B) Binary code      C) Octal code      D) text code
- 46) Select text file in which number will take  
 A) 2 bytes      B) 4 bytes      C) 3bytes      D) 8 bytes
- 47) Select which is true about a stream \_\_\_\_\_  
 A) It is a general name given to a flow of data      B) It is simply a sequence of bytes  
 C) It is a logical interface to the data file      D) All of these
- 48) Select in which of the following the character conversion is possible \_\_\_\_\_  
 A) text stream      B) binary stream      C) output stream      D) input stream
- 49) If there is any error while opening a file, fopen will return?  
 A) Nothing      B) EOF      C) NULL      D) Depends on compiler
- 50) Which of the following is not an operator in C?  
 A) ,      B) sizeof()      C) ~      D) None of the mentioned

**Q2) Write Broad answer question(any two).**

- 1) What is the pointer? Explain pointer data type.
- 2) What is asturcture? Explain the Nesting structure.
- 3) Defining the File and explain File opening modes.
- 4) What is the function ?explain function call.
- 5) Input/output operations on file.
- 6) Explain user defined data types.
- 7) Explain the array of pointers.
- 8) Write the dynamic memory allocation.
- 9) Write the function declaration and function definition.
- 10) What is file handling? Explain read ,write file.

**Q3) Write short answer question(any five).**

- 1) What is pointer?
- 2) what is function?
- 3) Explain Recursion function.
- 4) Write getc() and put() function.
- 5) What is structure?.
- 6) Explain the array using structure.
- 7) Explain the putw() and fprintf() function.
- 8) Write the function call.
- 9) Explain structure within structure.

- 10) Explain two dimensional arrays.
- 11) ftell() and fseek() function.
- 12) Write the pointer declaration.
- 13) Write the append and closing a file.
- 14) Write the Initialization of pointer.
- 15) Write a function definition.
- 16) Explain the rewind() function.
- 17) Write the one dimensional array of pointer.
- 18) Explain Input/output operation.
- 19) Dynamic memory allocation.
- 20) Explain Union.