TILAK MAHARASHTRA VIDYAPEETH, PUNE **BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.) EXAMINATION : MAY - 2024**

SEMESTER - VI

Sub. : Fundamentals of Programming Languages (BBA15-IT 613) Total Marks: 60

(05) **Q. 1.** Choose the most appropriate option. 1. All keywords in C are in _____ case. a) Upper b) lower c) camel d) none of these. 2. is also known as Personal Digital Assistant (PDA). a) Desktop b) Laptop c) Palmtop d) Tablet PC 3. C is a _____ level language. a) high b)low c) middle d) low +high invented C language. 4. a) Steve Jobs b) James Gosling d) Rasmus Lerdorf c) Dennis Ritchie 5. _____ is also called notebook. a) Desktop b) Laptop c) Palmtop d) Tablet PC Q. 2. State True / False (05) 1. The printer is the primary output device. a) True b) False 2. RAM is a volatile memory. a) True b) False 3. conio.h is a standard header file in C program. b) False a)True 4. Function overloading is possible in C. a)True b) False 5. C language is an object oriented language. a)True b) False Q. 3. Write Short notes on (Any Three) (15)1. Constant in C. 2. String in C 3. Functions of operating system. 4. Multiprogramming 5. Call by value. 1/2Fundamentals of Programming Languages (BBA15-IT 613) / ALD/II

Date : 17/05/2024

Time: 10.00am to 12.30pm

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

Q. 4. Answer in detail (Any Two)

- 1. Explain the features of C language.
- 2. What are the characteristics of computer?
- 3. Explain the character set of C.
- 4. What is application software?

Q. 5. Case study

The C programming language was developed at AT&T's Bell Laboratories in USA in 1972. This language has been designed and written by Dennis Ritchie. C is a very robust programming language and has a rich set of built in functions. C is simple to learn and easy to use. C language is suitable for writing both system software and application programs and business packages. The Unix operating system was also developed at Bell laboratories around the same time. Thus C is strongly associated with Unix. In fact, Unix is coded almost entirely in C.As we have already seen, programming languages are catagorised as high level programming languages and low level programming languages. C is between these two catagories. The C compiler has the capabilities of the machine language and the features of a high level language. Initially C was mainly used in academic environments. But with its growing popularity C is now one of the most popular high level programming language and is running under many operating systems. C language is highly portable i.e. C programs written for one computer can be run on another computer with very little or no modifications. C has only 32 keywords but a number of built in functions. Thus a C program is basically a collection of functions which are supported by the C library. We can make efficient use of these functions in our programming tasks. One can also add new functions to the library. Identifiers are names given to variables, functions and arrays. These are the names which are user defined. They are made up by a combination of letters and digits. Normally an identifier should not be more than 8 characters long. The use of underscore is also permitted in identifiers. However, it is imperative that identifiers should begin with a letter.

Answer the following.

- 1. What is Identifier in C?
- 2. Explain the features of C language in short.
- 3. What is a C program?