Warning:- Please write your Roll No. in the space provided and sign. Roll No----------------
(Inter Part – I)   (Session 2018-20 to 2021-23)   Sig. of Student ---------------

Computer Science (Objective)   540-22   Paper (I)

Time Allowed:- 20 minutes   PAPER CODE 2831   Maximum Marks:- 15

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Write **PAPER CODE, which is printed on this question paper,** on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation. Use of Ink Remover or white correcting fluid is not allowed.

Q. 1

1) Which key removes the character to the left side of the cursor?

   (A) Delete   (B) Alt   (C) Backspace   (D) Tab

2) VGA supports how many colors?

   (A) 256   (B) 2048   (C) 1024   (D) 16.7 million

3) Two different networks can be connected by using a:

   (A) Hub   (B) Bridge   (C) Gateway   (D) Switch

4) The bottom layer of OSI model is called:

   (A) Physical   (B) Session   (C) Application   (D) Transport

5) How many characters 16 Bit Unicode can represent?

   (A) 65000   (B) 256   (C) 250   (D) 65536

6) The process of converting Analog signal into Digital signal is called:

   (A) Demodulation   (B) Modulation   (C) Conversion   (D) Merging

7) The process of manufacturing products with the help of computers:

   (A) CAM   (B) CAD   (C) ATM   (D) MICR

8) Which one is faster?

   (A) Register   (B) RAM   (C) Cache   (D) Hard disc

9) Which of the following is not high Level language?

   (A) JAVA   (B) C++   (C) Assembly   (D) Basic

10) An important characteristic of RAM is that it is:
    (A) Volatile   (B) Non-Volatile   (C) Read only   (D) Write only

11) This is not a biometric technique?
    (A) Retina   (B) Badge   (C) Face   (D) Palm Print

12) Windows operating system was developed by:
    (A) Sun system   (B) IBM   (C) IEEE   (D) Microsoft

13) Short cut key to save a file in MS Word is:

    (A) Ctrl+S   (B) Ctrl+C   (C) Ctrl+x   (D) Ctrl+V

14) The extension of MS Excel is:
    (A) .jpg   (B) .doc   (C) .xls   (D) .exe

15) A collection of millions of computers connected to one another is called:
    (A) Internet   (B) Web browser   (C) LAN   (D) Intranet

1123 -- 1122 -- 27000 **(1)**

Computer Science   (Subjective)   (Session 2018-20 to 2021-23)   Paper (I)
Time Allowed: 2.10 hours   Maximum Marks: 60

Section ----------------- I

2.   Answer briefly any Six parts from the followings:-   **6 × 2 = 12**

(i)   Write any two applications of information Technology. (ii) What is the purpose of central processing unit?

(iii)   Differentiate between data and information.   **(iv)**   Enlist two pointing devices

(v)   How does Bus topology work?   **(vi)**   What are De-jure standard?

(vii)   Write a short note on session layer.   **(viii)**   How does "cut" and "copy" commands work?

(ix)   List any two options of "Alignment" in MS-word

3.   Answer briefly any Six parts from the followings:-   **6 × 2 = 12**

(i)   What is signal?   **(ii)**   How is data transmitted in asynchronous transmission?

(iii)   Define modulation.   **(iv)**   Why SRAM uses less power than DRAM?

(v)   What is Interrupt?   **(vi)**   Elaborate the concept of memory buffer register.

(vii)   Differentiate between source code and object code.   **(viii)** Define spreadsheet.

(ix)   What do you know about Functions in spreadsheet?

4.   Answer briefly any Six parts from the followings:-   **6 × 2 = 12**

(i)   How computers are useful in Banks.   **(ii)**   How can you describe E-Commerce?

(iii)   What is meant by Computer Simulation?   **(iv)** How can you safeguard against computer viruses?

(v)   What do you know about privacy issue?   **(vi)** Describe GUI operating system?

(vii)   Define the term MultiProcessing?   **(viii)** What is IP addressing?

(ix)   Explain the concept of Search Engine?

Section ------------ II

Note: Attempt any three questions.   **(8 × 3 = 24)**

5.   What is Software? Explain the classification of Software.

6.   What is network protocol? Explain Ethernet and Token Ring.

7.   Define data communication. Discuss its different components.

8.   Define operating system. Explain any six functions of operating system.

9.   How virus is harmful for a computer system? Discuss any three causes of virus spread.