

905-21

Roll No. of Candidate : \_\_\_\_\_

**COMPUTER SCIENCE**

**(INTERMEDIATE PART-I) 321 - (III)**

**Paper – I**

**Time: 20 Minutes**

**OBJECTIVE - - - - - Code : 6835**

**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. Attempt as many questions as given in objective type question paper and leave others blank.

1. 1 - The number of octets in an IP address is  
(A) 4 (B) 6 (C) 14 (D) 16
- 2 - The command used to move selected text to another part of a document is  
(A) replace (B) cut and paste (C) formate (D) edit
- 3 - Which of the following is a correct cell address?  
(A) MA (B) F16 (C) 3D (D) 54
- 4 - The letters "NT" in Windows NT stand for  
(A) new technology (B) network terminal (C) network technology (D) not tested
- 5 - Which operating system provides only a command-line interface?  
(A) Mac-Os (B) DOS (C) Windows (D) Linux
- 6 - A special program that can detect and remove viruses from computer is called  
(A) virus (B) groupware (C) antivirus (D) shareware
- 7 - Cache memory is  
(A) faster than RAM (B) slower than RAM (C) non-volatile (D) type of ROM
- 8 - CAM is used to  
(A) Design Products (B) Online Education (C) Edit Pictures (D) Manufacture Products
- 9 - RAM holds data and instructions  
(A) permanently (B) temporarily (C) partially (D) casually
- 10 - Start/stop bits are required in this type of transmission.  
(A) asynchronous (B) isynchronous (C) monosynchronous (D) synchronous
- 11 - Sound waves and radio waves are examples of \_\_\_\_\_ signal.  
(A) digital (B) analog (C) simple (D) discrete
- 12 - Which type of network is the internet?  
(A) LAN (B) MAN (C) NAN (D) WAN
- 13 - OSI model was created by  
(A) ANSI (B) IBM (C) ISO (D) DARPA
- 14 - The type of conversion in which individual components of a new system are used one by one is called  
(A) direct (B) phased (C) parallel (D) pilot
- 15 - The process of training personnel to use the new system is done during.  
(A) implementation (B) design (C) analysis (D) testing

**223-(III)-321-40000**

**GUJ-21**

**COMPUTER SCIENCE**  
**Time: 2:10 Hours**

**(INTERMEDIATE PART -I) 321**  
**SUBJECTIVE**

**Paper – I**  
**Marks: 60**

**Note:** Section I is compulsory. Attempt any Three (3) questions from Section II.

**(SECTION – I)**

**2 - Write short answers to any SIX questions.**

**(2 x 6 = 12)**

- |  |  |
|--|--|
| i - Define information technology.             | vi - Define internet.                    |
| ii - Name any four input devices.              | vii - Compare uploading and downloading. |
| iii - Compare unit testing and system testing. | viii - Define broadband.                 |
| iv - Define the coding phase of SDLC.          | ix - Define mobile communication.        |
| v - What do you mean by workgroup computing?   |  |

**3 - Write short answers to any SIX questions.**

**(2 x 6 = 12)**

- |  |  |
|--|--|
| i - What is the advantage of using ATM in banks?     | vi - Name four segment registers.                    |
| ii - How computer can be used in offices?            | vii - What is the purpose of memory buffer register? |
| iii - How bank can benefit from the use of computer? | viii - What is computer virus?                       |
| iv - List two typical components of CPU.             | ix - What is data security?                          |
| v - What is DMA?                                     |  |

**4 - Write short answers to any SIX questions.**

**(2 x 6 = 12)**

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|--|--|
| i - What is main advantage of multitasking operating system?   | vi - Explain footnote and cross-reference. |
| ii - What is Graphical User Interface (GUI) operating systems? | vii - What is cell?                        |
| iii - What is the purpose of Recycle Bin?                      | viii - What is chart and its use?          |
| iv - Explain WYSIWYG.  | ix - Define formula in MS-Excel.           |
| v - What is search and replace option in MS-Word?              |  |

**(SECTION – II)**

- 5 - What is a Network Topology? Explain the working of Bus Topology with diagram and example. 2+4+1+1 = (8)**
- 6 - Explain serial transmission and parallel transmission with diagrams and examples. 2+2+2+2 = (8)**
- 7 - What is CPU? Explain fetch, decode and execute cycle of CPU. 2+2+2+2 = (8)**
- 8 - What is data security? Explain any six solutions to data security threats. 2+1+1+1+1+1+1 = (8)**
- 9 - Explain Email address and uniform resource locator in detail with example. 4+4 = (8)**

**223-321-40000**