| Envallment I | No: | Evam Soat No. | |
|--|---|--|------------|
| Enrollment | C.U.SHAH U | Exam Seat No: UNIVERSITY mination-2020 | |
| Subject Nam | ne: Computer Basics & Organiza | ation | |
| Subject Code: 4CS01ICO2 | | Branch: B.Sc.IT | |
| Semester: 1 | Date: 10/03/2021 | Time: 03:00 To 06:00 | Marks: 70 |
| (2) Instru (3) Draw | of Programmable calculator & any actions written on main answer be neat diagrams and figures (if near me suitable data if needed. | ook are strictly to be obeyed. | rohibited. |
| b) c) d) e) f) g) h) i) j) k) l) m) n) | Attempt the following question Nibble =bit. Plotter istype of device. What is Operating system? ASCII stands for Stack pointer always point to is the base of hexadec Conversion: (1000101) ₂ =(MICR Stands for What is the use of Joystick? What is computer? Conversion: (152) ₈ =() ₁₆ OCR Stands for What is Bluetooth? BCD Code hasbits. | of the stack. imal number system)8 | (14) |
| Q-2 a) b) | Attempt all questions Do as directed: i.) (532.11) ₁₀ =() ₂ ii.) (11010111.111) ₂ =(iii.) (353) ₁₀ =() ₁₆ iv.) (4A9.2B) ₁₆ =() v.) Binary Addition: 000110 vi.) Binary Subtraction: 1011 vii.) 2's Complement: 11101 Draw a neat block diagram of complement |) ₁₀) ₁₀) ₁₀ +10001100 0101 - 00101101 1101 | 07 07 |

- Q-3 Attempt all questions
 - a) What is Printer? Explain it with its types.





| | b) | Write a short note on types of computers based on its size. | 07 |
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| Q-4 | | Attempt all questions | |
| | a) | What is adder? Explain Half adder with its block diagram, circuit and | 05 |
| | | truth table. | |
| | b) | What are gates? Explain basic gates (AND, OR & NOT) with its symbol | 05 |
| | | and truth table. | |
| | c) | Explain Assembler and Compiler. | 04 |
| Q-5 | | Attempt all questions | |
| | a) | Explain Duplex System | 07 |
| | b) | List out various types of OS. Explain any 3 types of operating system. | 07 |
| Q-6 | | Attempt all questions | |
| | a) | Write a note on Bluetooth. Explain Piconet and Scatternet. | 07 |
| | b) | Write a note on Asynchronous data transfer. | 07 |
| Q-7 | | Attempt all questions | |
| | a) | Explain in detail: Generation of computer | 07 |
| | b) | Explain memory hierarchy in detail. | 07 |
| Q-8 | | Attempt all questions | |
| | a) | List out Input devices & explain any 3 Input devices. | 07 |
| | b) | What is Monitor? Explain CRT and LCD monitors. | 07 |

