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ICSM™ & RAR EDUCATIONAL TRUST- VARANASI
EXAM JUNE-2025



COMPUTER FUNDAMENTAL

PAPER - OM-1/ADCA-01/DCA-01/CFA-01/BCC-01/CCC/DIT-01

Time:-2 :00 Hour

Max Mark's:-100

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Section A Multiple Choice Question1

1. Which is considered the branch of Artificial Intelligence?? 1 MARK
 a) Cyber Forensics b) Machine Learning c) Network Design d) Full-stack Developer
2. Which of the following is not a characteristic of a computer? 1 MARK
 a) Versatility b) Accuracy c) Diligence d) Intelligency
3. Which of the following is the smallest unit of data in a computer? 1 MARK
 a) Bit b) KB c) Nibble d) Byte
4. _____ is a component of AI. 1 MARK
 a) Training b) Designing c) Learning d) Puzzling
5. Which of the following is known as the language made up of binary-coded instructions? 1 MARK
 a) High level b) BASIC c) C d) Machine

Section B True/ FalseAnswer

1. Windows logo+E Open My Computer. 1 MARK
2. One Sector =1024 Bytes. 1 MARK
3. I/O Modules is a mediator between the (CU) and I/O devices. 1 MARK
4. V.D.U. is an input device? 1 MARK
5. $(ABC)_{16} = (101112)_{16}$. 1 MARK
6. Artificial intelligence is defined as a field aiming to develop intelligent machines. 1 MARK
7. **Write Full Name Of Following** 4MARKS
 (a) EBCDIC (b) CPS (c) MISD (d) UNIVAC

Section C Long Type Answer

Note: Write Answer on Any Six of the Following (Question Number 7 Is Compulsory)

1. Explain Block Diagram Of Von-Neumann Architecture? Also Explain Types Of Computer? 11MARKS
2. What Is Auxiliary Storage Memory? Explain Mechanism Of Magnetic And Optical Memory. 11MARKS
3. Describe about Logic Gates With Suitable Example. 11MARKS
4. List out The Various Computers "Generation" In Computer Terminology? Describe it. 11MARKS
5. What are various functions of I/O organizations? Explain in brief. 11MARKS
6. In the Context of Magnetic Disk Storage, Define the Following Terms and Give the Relation among Them (If Any) 11MARKS
 a) Track b) Cylinder c) Sector d) Disk address 11MARKS
7. (a) Perform Following Computational Arithmetic Operation- 10MARKS

I- 11111 + 101101 + 111011 	II- 101010 -111001 	III- 1001001 / 11 	IV- 110101.010 *101
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- (b) **I-** $(59)_{10} = (?)_2$ **II-** $(BAF)_{16} = (?)_2$ **III-** $(36)_8 = (?)_2$ **IV-** $(101110101.10111)_2 = (?)_{16}$ 10MARKS

(c) Write Short Note Of Following 10MARKS

1-What is Module

2-Interrupt

3-Different between GUI @ CUI
