

SEC01 - Computer Science-I : Information Communication Technology

P. Pages : 2

Time : Two Hours



GUG/W/24/15910

Max. Marks : 40

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- Notes :
1. All the questions are compulsory and carry equal marks.
 2. Draw neat and labeled diagram wherever necessary.
 3. Avoid vague answer and write answer relevant and Specific to question only.

Either:

1. a) Explain in brief, generation of computer. 4
b) What is compiler? Explain it. 4

OR

- c) Write note on data bus and address bus. 4
- d) Convert the following binary numbers to decimal- 4

1. $(1011001)_2 = (?)_{10}$

2. $(00110011)_2 = (?)_{10}$

Either:

2. a) Explain hard disk storage media in detail. 4
b) Explain SSD in brief. 4

OR

- c) Write note on RAM & ROM. 4
- d) Define printer? Explain dot matrix printer. 4

Either:

3. a) Explain Star topology in brief. 4
b) Explain in detail Network Bridge device. 4

OR

- c) Explain in brief Ring topology 4
- d) Explain Gateway in Computer Network. 4

Either:

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|-----------|----|--|----------|
| 4. | a) | What is the primary function of a URL? Explain in brief. | 4 |
| | b) | Explain in detail machine learning. | 4 |

OR

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|-----------|----|--|----------|
| | c) | Write note on Google search engine. | 4 |
| | d) | Explain Robotics artificial intelligence. | 4 |
| 5. | | Attempt all the questions. | |
| | a) | What is BCD code in computer? | 2 |
| | b) | What are output device? List any two output devices. | 2 |
| | c) | What is Network topology. | 2 |
| | d) | Write applications of Internet. | 2 |
