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[PPU-D-I(H)-BCA-1]

Degree (Part-I) Examination, 2024

(Vocational)

BCA

[Paper : First]

Paper Code : 400801

Time : Three Hours]

[Maximum Marks : 75

Note : Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks. Attempt **any five** questions. **Question No. 5 is compulsory.**

1. (a) Write difference between Uniprocessor and Multiprocessor.
- (b) Discuss Super Computer and their characteristics.

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(1)

Turn Over

2. (a) Write rules to convert Decimal number system to Binary Number and vice-versa.
(b) Convert $(E95F5)_{16}$ to decimal Number System.
3. (a) Write difference between digital and analog computer.
(b) Write difference between Machine language and High Level language.
4. (a) Discuss the characteristics of computer.
(b) Difference between computer and human brain.
5. Write short notes on the following terms :
 - (a) Impact printer
 - (b) RAM
 - (c) HDD
 - (d) Magnetic Disk
 - (e) Magnetic Tape

6. (a) What do you mean by generation of computer ?
Discuss all in briefly.
- (b) Write block diagram of computer with labelled components.
7. (a) What are the functions of output devices ?
- (b) Write the difference between RAM and ROM.
8. (a) Discuss types of computer.
- (b) What is mainframe computer ? Write some characteristics.
9. (a) Write characteristic of good program.
- (b) - What is ASCII and EBCDIC ? Discuss in briefly.
10. (a) Add the following Binary Number :
- (i) 111011, 001101
- (ii) 010111, 101101

- (b) Discuss the proposed Charles Babbage's Model of computer.

THE END