

END-TERM EXAM

Subject: Fundamentals of Computers

Course Code: PGECO1F006T

M.M:100

Duration: 3 hrs

Section A

Note: All questions are compulsory. Each carrying 1.5 mark. Only ten minutes will be provided for section A : $10 \times 1.5 = 15$

- i) Which among the following is an example of Analog computer.
a) Param b) Anurag c) Electronic weighing machine d) IBM Pcs
- ii) Which among the following is not a mass storage device?
a) Hard disk b) Flash Memory c) RAM d) DVD
- iii) $(646)_{10} = (?)_8$
a) 1046 b) 1206 c) 1200 d) None
- iv) 2's compliment of 1000 is
a) 0111 b) 1000 c) 1011 d) 1001
- v) Graphics software is which kind of software
a) System software b) application software c) utility software d) language translator
- vi) Which of the following is not the disadvantage of Machine Language?
a) Error prone b) Machine dependent c) Speed d) Difficult to modify
- vii) Which switching technique is suitable for long continuous transmission?
a) Circuit b) Message c) Packet d) None of these
- viii) Which symbol is used for absolute cell referencing?
a) # b) % c) \$ d) None of these
- ix) IPv6 protocol is
a) 4 bits b) 8 bits c) 32 bits d) 128 bits
- x) Which function is used to covert degree to radians?
a) Degree b) conv c) radians d) Rand

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Section B

Each carries eight marks. (8*5=40)

2. What do you mean by Memory? Explain its different types in detail.

OR

Classify computers into different types. Explain each of them in detail.

3. Explain Representation of characters in computers.

OR

Explain different number systems in detail.

4. Explain software and its different types in detail.

OR

Explain different computer language translator in detail

5. What do you mean by internet? Explain different cyber crimes in detail

OR

Explain different switching techniques in detail.

6. Explain different features of MS-Word in detail.

OR

Explain different features of MS-Power Point in detail.

Section C

Note: Attempt any three questions. Each question carries 15 marks. (15*3=45)

7. a) Explain different applications of computers in different fields in detail.

b) Write note on Evolution of computers.

8. a) Perform following Binary addition/subtraction using 2's compliment

i) $-0011 - 0101$ ii) $0011 - 0101$ iii) $1011 - 0101$ iv) $-0111 - 0010$

b) Convert the following i) $(1234)_{10} = ()_{16}$ ii) $(3456)_{10} = ()_8$ iii) $(111110011010101)_2 = ()_{16}$

iv) $(10010010111101)_2 = ()_8$ v) $(111011110111101)_2 = ()_{10}$

9. What do you mean by operating system? Explain its different types. Explain different functions of Operating system in detail.

11. a) Explain different features of MS-Excel in detail.

b) Explain different features of MS-Word in detail.