



B.E / B.TECH DEGREE EXAMINATIONS: DEC 2014

(Regulation 2013)

Second Semester

U13ITT201 : FOUNDATIONS OF INFORMATION TECHNOLOGY

(Common to CSE & IT)

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. A register that keeps track of the next instruction to be executed is called as _____
 - a) Program counter
 - b) Instruction register
 - c) Accumulator
 - d) Data register
2. The type of memory that can be erased by simply exposing the device to a strong source of ultraviolet light for a certain amount of time is _____
3. A program that acts as a mediator between the user and the hardware is _____
 - a) Compiler
 - b) Operating system
 - c) Translator
 - d) Applications
4. The transmission mode which allow both communicating devices to transmit and receive data simultaneously is----
5. The Internet is owned by_____
 - a) IETF
 - b) A consortium of telecommunications companies
 - c) The US Government
 - d) None of the above
6. The _____is an attribute or a set of attributes that uniquely identify each record in a relation.
7. Queue follows
 - a) LIFO
 - b) FIFO
 - c) FILO
 - d) Both a and c
8. CASE stands for_____

b) Differentiate various switching methods with their characteristics & suitable diagrams. (7)

How does various layers involved in OSI model plays a vital role during message transfer? Explain. (7)

24. a) Discuss in detail about Insertion and Deletion in Linked List with an example (7)
Explain the features of object oriented programming. (7)

(OR)

b) Explain the software development life cycle with example (7)

Explain about Software Engineering Methodologies (7)

25. a) List and explain the applications of multimedia system other than entertainment. (7)

Explain in detail about building blocks of multimedia system. (7)

(OR)

b) Explain in detail about the wireless application protocol (7)

What is E-commerce? What are the different types E-commerce? Explain the process in E-Commerce, advantages and disadvantages. (7)
