PARUL UNIVERSITY

## FACULTY OF ENGINEERING \& TECHNOLOGY

## B.Tech. Summer 2018-19 Examination

Semester: 1
Date: 18/05/2019
Subject Code: 203108101
Time: 02:00pm To 04:30pm
Subject Name: Information and Communication Technology

## Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.
Q. 1 Objective Type Questions - (All are compulsory, Each of one mark)
5. Father of Internet?
(a) Vinton Cerf
(b) Mark Zuckerberg (c) Bill Gates
(d) Tim Berners-Lee
6. Range of MAN network is up to?
(a) Campus
(b) City
(c) Country (d)
(d) State
7. Data is ?
(a) Processed Data (b) Wisdom (c) Raw Material (d) Knowledge
8. Size of IP address?
(a) 48 bit (b) 32 bit (c) 36 bit (d) 42 bit
9. Binary of 13 is?
(a) 1001
(b) 1010
(c) 1101 (d) 1110
10. In this $\qquad$ layer device get IP address.
11. Collection of interconnected network is called $\qquad$ .
12. Full form of URL is $\qquad$ -.
13. Processed data is called $\qquad$ -.
14. Basic measurement unit of memory is $\qquad$ -
15. ROM is Non volatile memory. True or False
16. What is Analog Signal?
17. Full form of BIOS $\qquad$ .
18. What is Algorithm?
19. What is Server?
Q. 2 Answer the following questions. (Attempt any three)
A) What is Software? Explain with its types.
B) What is ROM? Explain with its types.
C) What is Guided media? Explain with its types and figures.
D) What is Data Communication? Explain with its components.
Q. 3 A) Draw the Flowchart for Finding number is Odd or Even.
B) 1. $(268.118)_{10}=(\quad)_{8}$
20. $(231.45)_{16}=(\quad)_{10}$
OR
B) Write an algorithm for withdrawal the money form ATM machine.
Q. 4 A) Write Pseudo code for sum of 1 to 10.

## OR

A) What is Internet? Explain its advantages and disadvantages in detail.
B) What is Topology? Explain in brief with its types and figures.

