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B.E./ B.TECH. DEGREE EXAMINATIONS, MAY 2023<br>Second Semester<br>IT22252 - COMPUTER APPLICATIONS AND PYTHON PROGRAMMING<br>(Information Technology)<br>(Regulation2022)<br>TIME: 1 HOUR 30 MINUTES<br>COURSE outcomes<br>CO 1 Understand the characteristics and data processing methodologies of a computer.<br>CO 2 Analyze various network components and their underlying terminologies.<br>CO 3 Understand the recent advancements in computers.

> PART- A (10x2=20Marks)
> (Answer all Questions)


## Q. Code:514589

12. (a) Illustrate and compare various configurations of Firewall with its relevant
(10) 3 applications.

## (OR)

(b) Exemplify the working of Bluetooth and GPS in a Mobile device with necessary architecture.
(10) 3

## PART-C (1x 10=10Marks)

(Q.No. 13 is compulsory)

Marks CO RBT LEVEL
13. You are the network administrator of the lab which contains 20 systems.
(10) 24 Illustrate about various topologies how these systems can be connected within the lab premises with necessary calculations of cables and I/O device requirements.

