Roll No. 22 82 300 212

Total No. of Questions: 8]

[Total No. of Printed Pages: 3

## **EXS-214**

## B.Tech. IVth Semester (New Scheme) CSE

Examination, 2023

Internet of Things

Paper-CS-403

Time: 3 Hours]

[Maximum Marks: 60

Note: Attempt any five questions. All question carry equal marks.

(A) (A)

Discuss the IOT components with diagram?

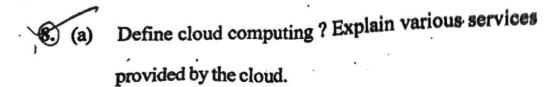
EXS-214

(1)

P.T.O.

- Explain the various IOT communication on API's?
- 2. (a) Discuss the detail about arduino with diagram?
  - (b) What zigbee? Discuss its use and compare zigbee and zigbee IP.
- 3. (a) Explain with example in QTT protocol what is role of in QTT protocol in IOT.
  - (b) Explain in detail IP addressing in IOT.
- What do you mean by data storage and cloud based services?

  (a) Discuss the structure of python programming for
  - respberry PI?
  - Explain in detail the need of data analytics for IOT?
  - (6) (a) Explain actuators & sensor with respect to IOT?
    - (b) Explain media access control?
    - 7. (a) Discuss the different type of sensors using in IOT?
      - (b) Compare ICP and UDP?



(b) Discuss role of machine learing in IOT?

.. . .