

Enrollment No: _____

Exam Seat No: _____

C. U. SHAH UNIVERSITY

Summer Examination-2022

Subject Name: Internet of Things and Embedded System

Subject Code: 4TE08ITE1

Branch: B.Tech (CE)

Semester: 8

Date: 04/05/2022

Time: 11:00 To 02:00

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 Attempt the following questions: (14)

- a) What is JSON? (01)
- b) What is batch processing? (01)
- c) Define metadata. (01)
- d) What is sketch? (01)
- e) Explain cognitive technologies (01)
- f) What is the purpose of void_setup()? (01)
- g) List down advantage of good design. (01)
- h) Why API is used? (01)
- i) What is pin mode function? (01)
- j) List down examples of IOT. (01)
- k) Why JSON is important? (01)
- l) List down different component of IOT. (01)
- m) Explain Embedded system. (01)
- n) Explain RFID (01)

Attempt any four questions from Q-2 to Q-8

Q-2 Attempt all questions (14)

- (a) Explain Information value loop in detail with neat diagram. (07)
- (b) Explain IOT Protocol in brief. (04)
- (c) What is AI explain in detail? (03)

Q-3 Attempt all questions (14)

- (a) Write down working of sensor in detail and explain different types of sensor in detail. (07)
- (b) Explain M2M machine to machine and M2H machine to human interface in detail. (04)
- (c) What is the role standard play in IOT? (03)



