

No Preview
Available

Total No. of Question : [4]

Registration No. :

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Programme Name : Bachelor of Computer Science Engineering

Regular T.Y.B.Tech. ESE (A.Y. 2023-24) Sem.V Nov.2023

V SEMESTER (2021 BATCH)

201CSL304-Wireless Sensor Networks

Duration : [11:00 AM - 01:00 PM]

Date : 29 Nov, 2023

Day : Wednesday

Marks : 50

Instructions :

(Q1) All Questions are Compulsory. [20.0]

(1.1) Explain the architecture of cellular network with a neat sketch. [6.0]

CO :- C304.1

Blooms Taxonomy :- Understand

(1.2) Explain classification of MAC protocol in detail. [7.0]

CO :- C304.2

Blooms Taxonomy :- Understand

(1.3) List all physical layer design considerations in WSN. Explain any two [7.0]

CO :- C304.2

Blooms Taxonomy :- Understand

(Q2) All questions are compulsory. [10.0]

(2.1) Explain features of IEEE 802.15.4 [4.0]

CO :- C304.3

Blooms Taxonomy :- Understand

(2.2) Explain TRAMA protocol in detail. [6.0]

CO :- C304.3

Blooms Taxonomy :- Understand

OR [2.2 / 2.3]

(2.3) Explain CSMA protocol with neat sketch. [6.0]

CO :- C304.3

Blooms Taxonomy :- Understand

(Q3) **All Questions are compulsory** [10.0]

(3.1) Write a short note on unicast routing . [3.0]

CO :- C304.3

Blooms Taxonomy :- Understand

(3.2) Explain directed diffusion with an example. [7.0]

CO :- C304.3

Blooms Taxonomy :- Understand

OR [3.2 / 3.3]

(3.3) Explain attribute based routing example with an example. [7.0]

CO :- C304.3

Blooms Taxonomy :- Understand

(Q4) **Attempt any two out of three Questions.** [10.0]

(4.1) Mention Range based techniques. Explain any one in detail. [5.0]

CO :- C304.4

Blooms Taxonomy :- Understand

(4.2) Explain clock phase difference. [5.0]

CO :- C304.4

Blooms Taxonomy :- Understand

(4.3) Explain the concept of clustering. [5.0]

CO :- C304.4

Blooms Taxonomy :- Understand
