2022

BCA (Honours)

Paper Code : ID - SEC - 1

[Sensor Network & IoT]

(CBCS)

Full Marks : 40   Time : Two Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.

Group - A

Answer any *five* questions :   2×5=10

1.   (a) What is wireless sensor network?

     (b) List out the main features of IoT.

     (c) What is the importance of the Internet of Everything?

     (d) What do you know about the Internet of Medical Things (IoMT)?

     (e) What is the difference between M2M and IoT?

     (f) Mention two design goals of the MAC protocol in WSN.

P.T.O.

Group - B

Answer any *three* questions.   10×3=30

2. (a) Explain the responsibilities of the physical layer in WSN.

(b) What is M2M communication? Discuss advantages and disadvantages of it?   5+(2+3)=10

3   How does IoT affects our everyday lives? Discuss different components of IoT?   4+6=10

4. (a) Discuss the applications of IoT.

(b) What is the technology that performs analysis on data given by IoT devices? "Explain in detail.

         5+5=10

5   (a) Describe how wireless sensor networks became one of the enabling technologies of IoT.

(b) Briefly explain SOCRADES.   5+5=10

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