



K. K. Wagh Institute of Engineering Education & Research, Nashik
(An Autonomous Institute From A.Y. 2022-23)

SUMMER-2024	
Exam Seat No.:	
Academic Year:2023-2024	Semester:II
Class: F.Y.M.Tech	Program:M.Tech
Branch Code:ETC	Pattern:2022
Name of Course:Advanced IoT Applications	Course Code:ETC225110C
Max. Marks:60	Duration:2.30 Hrs.

Instructions: Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.

1. This question paper contains 2 pages.
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.

Question No. 1 Attempt following Question

- 1a) What are the basic components of IoT. (6) CO1

Question No. 2 Attempt following Question

- 2a) What are the different smart technologies used for the development of IoT applications. (6) CO2

Question No. 3 Attempt following Question

- 3a) Enlist different benefits of IoT in Healthcare. (8) CO3

OR

- 3b) How the Internet of Things is transforming the Medial Industry? (8) CO3

- 3c) Explain the different types of Health monitoring with suitable example. (8) CO3

OR

- 3d) What are different challenges in Remote Patient Monitoring System. (8) CO3

Question No. 4 Attempt following Question

- 4a) Expalin the applications of IoT in Healthcare. (8) CO4

OR

- 4b) Explain in detail any real life applications of IoT in Healthcare. (8) CO4

4c) What are the advantages of IoT in Healthcare. (8) CO4

OR

4d) What Is Smart Technology and Digital Transformation in Healthcare? (8) CO4

Question No. 5 Attempt following Question

5a) How is blockchain distributed ledger different from a traditional ledger? (8) CO5

OR

5b) What is cryptography? What is its role in Blockchain. (8) CO5

5c) Write a brief overview of evolution of 3 generation of Blockchain technology (8) CO5

OR

5d) Briefly mention benefits of Blockchain technology in IoT. (8) CO5

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