CMR COLLEGE OF ENGINEERING & TECHNOLOGY
(UGC AUTONOMOUS)
M.Tech III Semester Regular & Supplementary Examinations Feb/March-2023
Course Name: ADHOC & SENSOR NETWORKS
(Computer Science & Engineering)

Date: 27.02.2023 AN   Time: 3 hours   Max.Marks: 70

(Note: Assume suitable data if necessary)
PART-A
Answer all FIVE questions (Compulsory)
Each question carries FOUR marks.   5x4=20M

1. Outline the Applications of MANET.   4M

2. Discuss about the Broadcast Storm Problem.   4M

3. Show the TCP protocol Overview.   4M

4. How to make Data Retrieval in Sensor Networks?   4M

5. Explain about Security in Adhoc Networks.   4M

PART-B
Answer the following. Each question carries TEN Marks.   5x10=50M

6. A). Summarize about Position Based Routing Algorithms in details.   10M

OR

6. B). i) Examine the DSDV Proactive Routing Algorithm.   5M
    ii) Develop the Restricted Directional Flooding algorithm.   5M

7. A). Differentiate different Mesh Based Data Transmission Strategies.   10M

OR

7. B). Distinguish between Tree based Data Transmission Strategies.   10M

8. A). Explain the Architecture of Sensor Networks.   10M

OR

8. B). Write about TCP and MANET and also Identify the solutions for TCP over Adhoc Networks.   10M

9. A). Summarize about Sensor Networks and Mobile Robots.   10M

OR

9. B). Analyze the Routing and Transport layers in Sensor Networks.   10M

10. A). i) Inspect the Key Management in MANET.   5M
    ii) How to establish the Secure Routing in MANET?   5M

OR

10. B). Recommend the Intrusion Detection Systems in MANET.   10M

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CMR COLLEGE OF ENGINEERING & TECHNOLOGY
(UGC AUTONOMOUS)
M.Tech III Semester Regular & Supplementary Examinations Feb/March-2023
Course Name: PYTHON PROGRAMMING
(Common for ES & CSE)

Date: 01.03.2023 AN	Time: 3 hours	Max.Marks: 70

(Note: Assume suitable data if necessary)

PART-A
Answer all FIVE questions (Compulsory)
Each question carries FOUR marks.   5x4=20M

1. Explain about Python Programming Development cycle with neat diagram.   4M
2. Explain about Global Variables and Global Constants with an Example.   4M
3. Explain about built in functions with Proper Examples.   4M
4. Explain how the polymorphism works in python Programming.   4M
5. Explain the use and importance of the Radio Buttons with examples.   4M

PART-B
Answer the following. Each question carries TEN Marks.   5x10=50M

6. A). Explain about input and output processing with proper examples.   10M

OR

6. B). Explain the nested decision structures in detail with proper examples.   10M

7. A). Demonstrate about passing arguments to Function with good examples.   10M

OR

7. B). Demonstrate about storing Functions in modules with good examples.   10M

8. A). Demonstrate about two Dimensional Lists with good examples.   10M

OR

8. B). Demonstrate about Serializing objects in modules with good examples.   10M

9. A). Examine the various differences between Procedure and Object Oriented Programming.   10M

OR

9. B). Explain various important techniques for Designing the classes.   10M

10. A). Demonstrate about using the Tkinter modules with good examples.   10M

OR

10. B). Demonstrate about using labels as output fields with good examples.   10M

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