R22

ANURAG Engineering College
(An Autonomous Institution)
II B.Tech I Semester Supplementary Examinations, June/July–2024
INTRODUCTION TO IOT
(INFORMATION TECHNOLOGY)

Time: 3 Hours   Max. Marks: 60

Section – A (Short Answer type questions)
Answer All Questions   **(10 Marks)**

	Course Outcome	B.T Level	Marks
1. Define a network	CO1	L1	1M
2. Define an actuator	CO1	L2	1M
3. Define communication	CO2	L2	1M
4. What is the use of Arduino.h header file?	CO2	L1	1M
5. What is meant by value in Python	CO3	L1	1M
6. Define tuple	CO3	L2	1M
7. Define SDN	CO4	L1	1M
8. What is the need for data handling	CO4	L2	1M
9. Which layer is used for wireless connections in IoT devices	CO5	L2	1M
10. What is the role of Cloud in smart grid architecture of IoT	CO5	L1	1M

Section B (Essay Questions)
Answer all questions, each question carries equal marks.   **(5 X 10M = 50M)**

11. A) Discuss the functional blocks of IoT	CO1	L3	10M
OR			
B) Write short notes on routing protocol	CO1	L2	10M
12. A) Write the differences between IoT and M2M	CO2	L2	10M
OR			
B) Describe the integration of sensor with Arduino with a neat diagram	CO2	L3	10M
13. A) Discuss different data types in python	CO3	L2	10M
OR			
B) Draw the interfacing diagram of 4x4 keyboard with Raspberry-Pi.	CO3	L3	10M
14. A) Discuss the role of SDN in IoT	CO4	L3	10M
OR			
B) Discuss about data analytic techniques	CO4	L3	10M
15. A) Write the differences between Industrial IoT and IoT	CO5	L3	10M
OR			
B) Describe the usage of IoT in smart cities	CO5	L3	10M