JSQ

Section 1 (5 marks per question)

Q1. Describe the role of cloud computing in IoT environments.

Component	***Marks***
concept	1 marks
explanation	1 marks
example	3 marks

Q2. Explain the challenges faced by centralized cloud processing in real-time IoT applications.

Component	***Marks***
concept	1 marks
explanation	1 marks
example	3 marks

Q3. Discuss the motivations for considering an alternative paradigm to cloud computing in IoT.

Component	***Marks***
concept	1 marks
explanation	1 marks
example	3 marks

Q4. Compare and contrast the characteristics of Little Data and Big Data in IoT environments.

Component	***Marks***
concept	1 marks
explanation	1 marks
example	3 marks

Q5. Analyze the importance of both Big Stream and Big Data in smart cities and infrastructures.

Component	***Marks***
concept	1 marks
explanation	1 marks
example	3 marks

Q6. Evaluate the strengths and limitations of cloud computing in supporting Big Data processing in IoT environments.

Component	***Marks***
concept	1 marks
explanation	1 marks
example	3 marks

Q7. Discuss the privacy concerns related to the transfer and storage of activity-track-data in the cloud.

Component	***Marks***
concept	1 marks
explanation	1 marks
example	3 marks

Q8. Analyze the impact of data velocity on the processing capabilities of cloud servers in IoT environments.

Component	***Marks***
concept	1 marks
explanation	1 marks
example	3 marks

Q9. Explain the concept of bringing the computation to the edge in IoT environments.

Component	***Marks***
concept	1 marks
explanation	1 marks
example	3 marks

Q10. Provide an example of a real-time IoT application where centralized cloud processing may be insufficient.

Component	***Marks***
concept	1 marks
explanation	1 marks
example	3 marks