

SEM – 5

Cloud Computing – 8 or 9

2marks – 10 (8 or 7 may be correct)

13marks

1. Rapid Elasticity – 5pages (5/5)
2. Limitation of Cloud Computing – 5pages (3/5)
3. Advantages of Cloud Computing – 5pages (4/5)
4. Cloud Sim simulation – 5pages (3/5)
5. Benefits of Virtualizing Physical machines – 5pages (3/5)

15mark

SaaS – 8pages (4/5)

Internet of Things (IOT) – 8

2marks – 10 (8 or 7 may be correct)

13marks

1. Physical design of IOT – 6page (5/5)
2. Functional Specification – 5page (3/5)
3. RFID and NFC – 6page (4/5)
4. IOT-AI & Cybersecurity – 5page (3/5)
5. Machine Learning Algorithm – 6page (3/5)

15mark

AIOT (wearable device, remote monitoring, predictive analytics) – 6page (3.5/5)

Data Visualization (DV) – 8

2marks – 10 (8 or 7 may be correct)

13marks

1. Data Visualization type – 6pages (4/5)
2. Bar and line chart – 5pages (4/5)
3. Correlation and regression – 5pages (3.5/5)
4. Logical ordering – 6pages (4/5)
5. Single Number Visualization – 4pages (4/5) → Mistake

15mark

Various Chart types in Data Visualization -6pages (3.5/5)

Cyber Security – 9 or 8

2marks – 10 (9)

13marks

1. Email Attack – 5pages (4.5/5)
2. Threats to Network Communication – 5pages (4/5)
3. RFID & Email Security – 6pages (4.5/5)
4. Types of Firewalls– 5pages (4/5)
5. Disaster and their Impact – 5pages (3.5/5)

15mark

DOS Attack in real time – 6pages (3.5/5)

Big Data – 9 or 8

2marks – 10 (8)

13marks

1. Analytics and Tools – 5pages (4/5)
2. Stats and NumPy – 5pages (4/5)
3. Map Reduce – 6pages (4/5)
4. Data Visualization Matplotlib –6pages (4/5)
5. MongoDB – 4.5pages (3.5/5)

15mark

Hive Architecture – 6pages (4/5)

Machine Learning – 7 or 8

2marks – 10 (8)

13marks

1. Perspective and Issues in ML – 5pages (3.5/5)
2. Bayesian Linear Regression –5pages (3.5/5)
3. Spectral and Hierarchical Clustering – 5pages (3/5)
4. Precision & Recall – 6pages (3.5/5)
5. Bagging & Boosting – 5pages (4/5)

15mark

Steps to build crime analysis -7pages (4/5)

Machine Learning Lab – 10 or 9

Data Visualization Lab – 10 or 9

Personnel Psychology – 10 or 9

Technical Interview – 10 or 9

Mini Project – 10 or 9