

**2111000106020001**  
**EXAMINATION FEBRUARY - 2024**  
**BACHELOR OF COMPUTER APPLICATIONS**  
**(SIXTH SEMESTER)**  
**E-COMMERCE AND CYBER SECURITY**

[Time: Three Hours]

[Max. Marks: 70]

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| <p><b>Instructions:</b></p> <p><b>1. Fill up strictly the following details on your answer book</b></p> <p>a. Name of the Examination: <b>BACHELOR OF COMPUTER APPLICATIONS (SIXTH SEMESTER)</b></p> <p>b. Name of the Subject: <b>E-COMMERCE AND CYBER SECURITY</b></p> <p>c. Subject Code No: <b>2111000106020001</b></p> <p>2. Sketch neat and labelled diagram wherever necessary.</p> <p>3. Figures to the right indicate full marks of the question.</p> <p>4. All questions are compulsory.</p> <p>5. Answer any two bits out of three given in each question.</p> <p>6. Each question carries 14 marks.</p> | <p>Seat No:</p> <table border="1" style="margin: 0 auto; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table><br><div style="border: 1px solid black; width: 80%; margin: 0 auto; padding: 10px; text-align: center;"><p>Student's Signature</p></div> |  |  |  |  |  |  |
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**Q.1 Answer in brief (Any Seven):**

**[14]**

1. Define Bots.
2. What do you mean by E-commerce?
3. What is EFT?
4. What is G2G Transaction?
5. Define cyber smearing.
6. What is importance of Digital Signature?
7. How does SQL injection exploit web applications?
8. Explain importance of ethical hacker.
9. Define E-Wallet.
10. What do you mean by network access equipment? Give its examples.

**Q.2 Attempt Any two.**

- a) What is Firewall? Explain Importance and advantages of it.
- b) Explain IPR Violation in detail with example.
- c) Write a Case Study of SQL Injection.

**[07]**

**[07]**

**[07]**

**Q.3 Attempt Any two.**

- a) Write e-commerce types & explain any two in detail with proper example. [07]
- b) Explain Distributed Denial of Service Attack (DoS) in detail. [07]
- c) Explain Architecture of E-commerce Framework. [07]

**Q.4 Attempt Any two.**

- a) Write a short note on hackers. [07]
- b) Write a short note on: E-Cash. [07]
- c) Explain terminology with proper example. Virus, Worm and Trojans. [07]

**Q.5 Attempt Any two.**

- a) Explain with proper example: cyber-squatting and cyber stacking. [07]
- b) Explain E-Commerce organizational application. [07]
- c) Explain I-way with its all Component in detail. [07]

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**2211000106010002**  
**EXAMINATION FEBRUARY - 2024**  
**BACHELOR OF COMPUTER APPLICATIONS**  
**(SIXTH SEMESTER)**  
**FUNDAMENTALS OF CLOUD COMPUTING**

[Time: Three Hours]

[Max. Marks: 70]

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|--|---|--|--|--|--|--|--|
| <b>Instructions:</b><br><b>1. Fill up strictly the following details on your answer book</b><br>a. Name of the Examination: <b>BACHELOR OF COMPUTER APPLICATIONS (SIXTH SEMESTER)</b><br>b. Name of the Subject: <b>FUNDAMENTALS OF CLOUD COMPUTING</b><br>c. Subject Code No: <b>2211000106010002</b><br><b>2. Sketch neat and labelled diagram wherever necessary.</b><br><b>3. Figures to the right indicate full marks of the question.</b><br><b>4. All questions are compulsory.</b> | Seat No:<br><table border="1" style="margin: 0 auto; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table><br><div style="border: 1px solid black; width: 100%; height: 80px; margin-top: 10px; display: flex; align-items: center; justify-content: center;">Student's Signature</div> |  |  |  |  |  |  |
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**Q.1 Answer in short. (Any 7)**

[14]

- 1) What is cloud computing?
- 2) Explain type of data used in Big Data.
- 3) List out 4 cloud application used in education.
- 4) Explain ETL.
- 5) List out challenges of Big Data.
- 6) How DaaS and NaaS are different?
- 7) What are various types of storage available in the cloud?
- 8) What is Cloud in Cloud Computing?
- 9) Explain OLTP.

**Q.2 Answer the following question. (Any 2)**

[14]

- 1) Discuss advantage and disadvantage of cloud computing.
- 2) List out and explain any 2 Cloud service model with pros and cons.

**OR**

- 1) Explain types of cloud based on its deployment.
- 2) Explain cloud computing architecture.

**Q.3 Answer the following question. (Any 2)**

**[14]**

- 1) Explain virtualization with its types.
- 2) Discuss Hypervisor. Compare Type 1 and Type 2 Hypervisor.
- 3) Discuss Services Oriented Architecture with its importance in Cloud Computing.

**Q.4 Answer the following question. (Any 2)**

**[14]**

- 1) What is data warehouse? Compare it with Data Lake.
- 2) Explain data storage and back-up application in details.
- 3) Explain Cloud Security Architecture.

**Q.5 Answer the following question. (Any 2)**

**[14]**

- 1) What is the difference between traditional database and bigdata.
- 2) Write a note on utility computing?
- 3) Compare OLTP with OLAP.

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