

Second Semester FYUGP Degree (Reg/Sup/Imp) Examination  
April 2026

KU2DSCCAP108 - CYBER SECURITY AND ETHICS  
2024 Admission onwards

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Time : 2 hours

Maximum Marks : 70

Section A

Answer any 6 questions. Each carry 3 marks.

1. What are the risks of delaying or ignoring security patches?
2. What is end-point device security?
3. List any four applications of the internet.
4. Name one major challenge in cybersecurity.
5. Name two common types of cyber threats.
6. What is the difference between malware and ransomware?
7. Define Cybercrime?
8. How to report Cyber crime?

Section B

Answer any 4 questions. Each carry 6 marks.

9. How do various sectors ( e.g. finance, healthcare) experience different risks due to an increasingly interconnected cyberspace?
10. If you were to design a new network or system within cyberspace, what architectural elements would you prioritize to ensure security and efficiency?
11. Do you think individuals or governments are more responsible for ensuring cyber-security? Justify your answer with examples.
12. Describe a scenario where ransomware could harm a small business. How would you help the business recover its data and prevent future attacks?
13. What are some simple ways to protect personal information from cyber threats?
14. Why is it important to report cybercrimes, and how can it help prevent further attacks?

Section C

Answer any 2 questions. Each carry 14 marks.

15. Design a simple social media marketing plan for promoting a college cultural event. Include platform choices, content ideas, and strategies for reaching students.
16. Design a simple privacy guide for new social media users. Include steps to manage privacy settings, report harmful content, and avoid common pitfalls.
17. Explain how firewall rules are configured to allow necessary applications while blocking potential threats? If an organization's firewall starts blocking legitimate applications, how should the IT team troubleshoot and resolve the issue without compromising security?

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