



**MCA DEGREE EXAMINATIONS: MAY 2016**

(Regulation 2015)

Second Semester

**MASTER OF COMPUTER APPLICATIONS**

P15CAT204: Ethics in Computing

**COURSE OUTCOMES**

- CO1:** Examine situations and to internalize the need for applying ethical principles, values to tackle with various situations.
- CO2:** Develop a responsible attitude towards the use of computer as well as the technology.
- CO3:** Envision the societal impact on the products/ projects they develop in their career.
- CO4:** Understand the code of ethics and standards of computer professionals.
- CO5:** Analyze the professional responsibility and empowering access to information in the work place.

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

**PART A (10 x 1 = 10 Marks)**

1. Assertion (A): Attackers may exploit known security flaws to gain unauthorized access to a particular system. CO3 [K<sub>4</sub>]  
Reason (R): Lack of latest security patches and updates to the operating systems and applications of the systems encourage attackers.  
a) Both A and R are individually true and R is the correct explanation of A      b) Both A and R are individually true but R is not the correct explanation of A  
c) A is true but R is false      d) A is false but R is true
2. The guidelines for the morally acceptable use of computers in society in known as CO4 [K<sub>1</sub>]  
\_\_\_\_\_.  
a) security requirements      b) computer ethics  
b) basic principles      d) legal systems
3. Identity theft is the \_\_\_\_\_. CO1 [K<sub>3</sub>]  
a) impersonation by a thief of someone with a large bank account      b) impersonation by a thief of someone with computer skills  
c) impersonation by a thief of someone's identity for the purpose of economic gain      d) impersonation by a thief of someone with good credit

4. Match list – I (keyword) with the List II (explanation) and select the correct answer CO4 [K<sub>4</sub>]  
using the codes given below:

<b>List I</b>	<b>List II</b>
A. Internet Censorship	1. Software companies agree not to sue other over patent infringement
B. Cross Licensing	2. Control of suppression of publishing or accessing of information on Internet
C. Trade secret	3. Logo, package design or word enabling to differentiate products
D. Trade Mark	4. Does not require any disclosure or filing of an application

- |    | A | B | C | D |
|----|---|---|---|---|
| a) | 1 | 2 | 3 | 4 |
| b) | 4 | 3 | 2 | 1 |
| c) | 3 | 1 | 4 | 2 |
| d) | 2 | 1 | 4 | 3 |

5. Assertion (A): Face book is a leading problem in social media bullying. CO1 [K<sub>3</sub>]

Reason (R): Because of its open platform and the ability to make open posts or send individuals private messages.

- |   |   |
|---|---|
| a) Both A and R are individually true and R is the correct explanation of A | b) Both A and R are individually true but R is not the correct explanation of A |
| c) A is true but R is false   | d) A is false but R is true   |

6. The written defamation is known as \_\_\_\_\_. CO2 [K<sub>1</sub>]

- |            |                  |
|------------|------------------|
| a) slander | b) libel         |
| c) fact    | d) water marking |

7. Most popular computer frauds are CO1 [K<sub>3</sub>]

- (i) ATM fraud
- (ii) Digital media fraud
- (iii) Credit card fraud
- (iv) Identity fraud

- |                       |                        |
|-----------------------|------------------------|
| a) (i) and (ii) only  | b) (ii) and (iii) only |
| c) (i) and (iii) only | d) (iii) and (iv) only |

8. Assertion (A): Computerized monitoring in the workplace is now very rare practice. CO3 [K<sub>3</sub>]

Reason (R): Workplace monitoring trend has emerged in response to the growing problem of employee misuse of company computers.

- a) Both A and R are individually true and R is the correct explanation of A      b) Both A and R are individually true but R is not the correct explanation of A
- c) A is true but R is false      d) A is false but R is true
9. \_\_\_\_\_ is a technique aimed at manipulating information within a computer system for the purpose of financial gain.      CO1 [K<sub>2</sub>]
- a) Computer Fraud      b) Intellectual property
- c) Defamation      d) Intrusion detection
10. The task or risk management phase can be arranged in which of the given sequence?      CO5 [K<sub>5</sub>]
- (i) Assessing the value of assets
- (ii) Identifying the assets at risk
- (iii) Identifying the vulnerabilities in an organization
- (iv) Identifying threats to assets
- a) i-iii-iv-ii      b) ii-i-iv-iii
- c) ii-iii-i-iv      d) iv-iii-ii-i

**PART B (10 x 2 = 20 Marks)**

11. Give the importance of ethics in computer world.      CO4 [K<sub>2</sub>]
12. Define Computer Hacking.      CO1 [K<sub>1</sub>]
13. List the various measures that may be taken in order to enhance computer security.      CO3 [K<sub>1</sub>]
14. Identify the two agencies that protect copyright.      CO2 [K<sub>2</sub>]
15. Define Censorship.      CO5 [K<sub>1</sub>]
16. What is safety? Give an example of it.      CO1 [K<sub>2</sub>]
17. List out some of the responsibilities of professionals.      CO5 [K<sub>1</sub>]
18. Conclude the relation between computer and quality of work.      CO2 [K<sub>3</sub>]
19. Define cyber stalking.      CO4 [K<sub>1</sub>]
20. Analyze the advantages of social networking.      CO1 [K<sub>3</sub>]

**PART C (10 x 5 = 50 Marks)**

21. Correlate the Kantianism and Utilitarianism with example.      CO4 [K<sub>4</sub>]
22. Determine the different types of destructive programs.      CO3 [K<sub>2</sub>]
23. Describe the different types of computer crimes.      CO4 [K<sub>2</sub>]
24. “Free and open source software is considered to be better than commercially protected software in computing industry” – Analyze this with your opinion.      CO2 [K<sub>4</sub>]
25. Compare patent and copyright.      CO5 [K<sub>4</sub>]
26. Analyze the advantages and disadvantages of computerized monitoring in workplace.      CO5 [K<sub>4</sub>]

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|--|-----|-------------------|
| 27. Identify the roles of IEEE CS-ACM Joint Task Force.  | CO4 | [K <sub>1</sub> ] |
| 28. Recall the privacy implications of RFID capabilities and mention some of the advantages of RFID. | CO1 | [K <sub>2</sub> ] |
| 29. Differentiate traditional software development process with the current trend.                   | CO3 | [K <sub>3</sub> ] |
| 30. What is piracy? Explain the different types of computer based piracy.                            | CO4 | [K <sub>1</sub> ] |

**Answer any TWO Questions**

**PART D (2 x 10 = 20 Marks)**

- |   |     |                   |
|---|-----|-------------------|
| 31. Construct a hypothetical situation in which   | CO3 | [K <sub>5</sub> ] |
| (i) The action you would take is not legal, but it is ethical.                                    | (5) |                   |
| (ii) The action you would take is legal, but not ethical.   | (5) |                   |
| 32. Criticize how cyber bullying arises as an ethical issue for the members of social networking. | CO5 | [K <sub>4</sub> ] |
| 33. Illustrate the security measures would be most appropriate to enhance the computer security.  | CO2 | [K <sub>3</sub> ] |

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