KUMARAGURU
college of technology
character is life

MCA DEGREE EXAMINATIONS: JUNE 2017

(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. Sending junk email is _____.   CO1   [K_2]

   i) legal

   ii) ethical

   iii) not ethical

   iv) not legal

   a)   i) & ii)   b)   ii) & iv)

   c)   i) & iii)   d)   iii) & iv)

2. A _____ is a logo, package design, sound or word that enables a consumer to differentiate one company's product from others.   CO1   [K_1]

   a)   License   b)   Patent

   c)   Trademark   d)   Copyright

3. Assertion (A): Attackers may exploit known security flaws to gain unauthorized access to a particular system.   CO2   [K_3]

   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

4. Match list I(Virus type) with List II(Functionality) and select the correct answer using the codes given below the list: CO2 [K$_3$]

List I	List II
A. Trojan Horse	1. Self replicating code
B. Worm	2. Harmful code disguised inside program/data
C. Logic bomb	3. Block legitimate traffic making required data unavailable
D. Denial-of-Service	4. Programs triggered to act when they detect a certain sequence of events or after a particular period

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

5. Logic bomb is activated by a particular _____.   CO2 [K$_3$]

a) event   b) time

c) date   d) day

6. Social shopping websites generate money primarily through   CO3 [K$_4$]

(i) Selling data about users

(ii) Reporting objectionable material

(iii)Advertising

(iv) Cyber bullying

a) iii) & iv)   b) i) & iii)

c) i) & iv)   d) ii) & iii)

7. Match Techniques **(List I)** with Description **(List II)** and select the correct answer using the codes given below the list: CO3 [K$_3$]

List I	List II
A. Encryption	1.Limiting access to resources using credentials
B.Watermarking	2.Link between person and his virtual identity
C.Digital Certificates	3.Process of secretly embedding information into a data Source
D.Access Control	4.Needs a key to decrypt

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

8. The security measures that may be taken in order to enhance computer security are ____   CO5   [K$_1$]

     (i) Equal access

     (ii) Passwords

     (iii)Firewalls

     (iv)Civil liberty

   a)   i) & ii)   b)   ii) & iii)

   c)   iii) & iv)   d)   ii) & iv)

9. The tasks of risk management phase can be arranged in which of the given sequence?   CO5   [K$_5$]

     (i) Assessing the value of assets

     (ii) Identifying the assets at risk

     (iii)Identifying the vulnerabilities in an organization

     (iv)Identifying the threats to the assets

   a)   i-iii-iv-ii   b)   ii-i-iv-iii

   c)   ii-iii-i-iv   d)   iv-iii-ii-i

10. Most popular computer frauds are _____.   CO5   [K$_3$]

     (i) ATM fraud

     (ii) Digital media fraud

     (iii)Credit card fraud

     (iv)Identity fraud

   a)   iii) & iv)   b)   i) & iii)

   c)   i) & iv)   d)   ii) & iii)

PART B (10 x 2 = 20 Marks)

11. Give the importance of ethics in computer world.   CO1   [K1]

12. Compare Kantianism and Consequentialism.   CO1   [K$_1$]

13. List the various measures that may be taken in order to enhance computer security.   CO3   [K$_1$]

14. Define intellectual property rights.   CO2   [K$_2$]

15. Write about the term free speech over internet world.   CO3   [K$_2$]

16. What is safety? Give an example.   CO3   [K$_2$]

17. Analyze the benefits of telecommuting.   CO4   [K$_1$]

18. List out some of the responsibilities of professionals.   CO4   [K$_2$]

19. Enumerate the social networking ethical issues.   CO5   [K$_3$]

20. Define digital rights management.   CO5   [K$_3$]

PART C (10 x 5 = 50 Marks)

21.	Identify and describe any three potential motives for hacking.	CO1	[K$_2$]
22.	Determine the different types of destructive programs.	CO1	[K$_3$]
23.	Compare the three main categories of intellectual property legislation.	CO3	[K$_4$]
24.	Analyze the various types of computer crime.	CO3	[K$_4$]
25.	What is piracy? Explain the different types of computer based piracy.	CO4	[K$_3$]
26.	Discuss the internet technologies which are used to maintain the privacy of users.	CO3	[K$_3$]
27.	Explain documentation authentication and control in detail.	CO5	[K$_2$]
28.	Express why employers monitor work of their employees? Discuss some possible negative consequences of employee monitoring.	CO2	[K$_4$]
29.	Explain the issues in software.	CO4	[K$_2$]
30.	Examine the use of social networks in hiring process.	CO3	[K$_3$]

Answer any TWO Questions
PART D (2 x 10 = 20 Marks)

31.	Construct hypothetical situation in which i) The action you would take is not legal, but it is ethical. ii) The action you would take is legal, but not ethical.	CO1	[K$_5$]
32.	Define risk benefit analysis. Why is it conducted? What are the conceptual difficulties of risk benefit analysis?	CO4	[K$_4$]
33.	Compare cyber bullying and cyber stalking. What advice would you give a friend who is the victim of cyber stalking?	CO5	[K$_4$]

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