KUMARAGURU college of technology
character is life

Register Number:……..…

MCA DEGREE EXAMINATIONS: JUNE 2015

(Regulation 2014)

Second Semester

MASTER OF COMPUTER APPLICATIONS

P14CAT204**:** Ethics in Computing

Time: Three Hours **Maximum Marks: 100**

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. _____ is a set of beliefs about right and wrong behavior within a society. [K_1]

   a) Ethics b) Conventions

   c) Conduct d) Compliance

2. The tasks of risk management phase can be arranged in which of the given sequence. [K_2]

   (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

3. _____ is the crime of obtaining goods, services or property through deception or trickery. [K_1]

   a) Licensing b) Fraud

   c) Cyber bullying d) Piracy

4. Match list I with list II and select the correct answer using the codes given below the list: [K_4]

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

a) License b) Trademark

c) Patent d) Copyright

6. The process of taking something apart in order to understand it, build a copy of it or improve it is called_____. [K_2]

a) Forward Engineering b) Blueprint

c) Reverse Engineering d) Deception

7. Assertion (A): Software safety will not automatically result from following an organizations standard software development methodology. [K_5]

Reason (R): Safety critical software must go through a much rigorous and time consuming development and testing process than other kinds of software.

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

8. The security measures that may be taken in order to enhance computer security are _____. [K_2]

(i) Equal Access (ii) Passwords (iii)Firewalls (iv) Civil Liberty

a) (i) and (ii) b) (ii) and (iii)

c) (iii) and (iv) d) (ii) and (iv)

9. The written defamation is called _____. [K_1]

a) Libel b) Slander

c) Copyright d) Patent

10. _____ is the process of secretly embedding information into a data source. [K_1]

a) Water marking b) Hashing

c) Trust Infrastructure d) Finger Printing

PART B (10 x 2 = 20 Marks)

11. Determine why it is difficult to introduce internet censorship effectively. [K_2]
12. Assess the need for encrypting the data and communicating in the internet. [K_5]
13. Compare Kantianism and Consequentialism. [K_4]
14. Define free and open source code. [K_1]
15. Identify the exemplar groups which may be disadvantaged in terms of their ability to access Information and Communication Technology. [K_1]
16. List any four popular social networking platforms. [K_1]
17. Define digital rights management. [K_1]
18. List any four health issues that occurs due to prolonged use of computers. [K_1]
19. Identify the need for having a high quality software system. [K_1]
20. Analyze the benefits of telecommuting. [K_4]

PART C (6 x 5 = 30 Marks)

21. Demonstrate a hypothetical situation in which [K_3]
    (i) The action you would take is not legal, but it is ethical.
    (ii) The action you would take is legal, but not ethical.
22. Identify and describe any three potential motives for hacking. [K_2]
23. Compare copyright, patent and trademarks. [K_4]
24. Analyze the advantages and limitations of virtual world. [K_4]
25. Express why employers monitor work of their employees? Discuss some possible negative consequences of employee monitoring. [K_2]
26. Criticize how cyber bullying arises as an ethical issue for members of social networking. [K_4]

PART D (4 x 10 = 40 Marks)

27. What does the principle of equal access to ICT claim? Demonstrate any two technologies that are available to help the disabled persons to use computer technology. What particular impairments is it designed to overcome and in what ways is it helpful? [K_3]
28. Explain how cookies and RFID technologies affect the privacy of individuals. [K_2]
29. Describe various security measures that may be taken in organizations to enhance computer security. [K_2]
30. Explain how risk assessment is carried out in organizations. [K_2]

****