KUMARAGURU
college of technology
character is life

MCA DEGREE EXAMINATIONS: NOV/DEC 2022

(Regulation 2020)

Third Semester

MASTER OF COMPUTER APPLICATIONS

P20CAT3002: Ethics in Computing

COURSE OUTCOMES

CO1:   Examine situations and to internalize the need for applying ethical principles, values to tackle with various situations.

CO2:   Express the aspects of computer crime, code of ethics and standards of computer professionals.

CO3:   Show a responsible attitude towards the use of computer as well as the technology.

CO4:   Understand ethical issues in software development and social networking.

CO5:   Analyse the professional responsibility and empowering access to information in the work.

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

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1.   Examine the two statements carefully and select the answer using the codes given below:
     Assertion (A): A well-implemented ethics and compliance program and a strong ethical culture can lead to less pressure on employees to misbehave   CO1   [K4]
     Reason (R): An environment in which employees are more comfortable reporting instances of misconduct should prevail in an organization
     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.   _____is the business policy that permits employees to use their devices to access company computing resources and applications.   CO3   [K2]
     a)   Whistleblowing   b)   Trade secret
     c)   Bring Your Own Device   d)   Exploit

3.   _____is an example of an action that is unethical but legal.   CO1   [K1]
     a)   Selling an old product that does not meet customer needs   b)   Following traffic rules
     c)   Theft, Fraud, Abuse   d)   Man steals bread to feed his children

4.	Match list I (Terms) with list II (Description) and select the correct answer using the codes given below.				CO2	[K₂]

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)	2	1	4	3
d)	3	1	4	2

5.	_____ is the term used when a worker passes on information concerning wrongdoing.			CO2	[K₂]
a)	Whistling	b)	illegal		
c)	Conflict of interest	d)	Whistleblowing		

6.	A_____ is a text file that a website can download to a visitor's hard drive to identify visitors on subsequent visits.			CO3	[K₁]
a)	Cookie	b)	Virus		
c)	Worm	d)	Hacker		

7.	Outsourcing the information systems will help an organization by saving money on _____ while still ensuring _____ . a) data transfer b) data storage c) data protection d) data mining			CO4	[K₃]
a)	a) & b)	b)	b) & c)		
c)	c) & d)	d)	a) & d)		

8.	Social networks have an information-sharing capacity. As such, a great distribution channel for?			CO4	[K2]
	a)	customer feedback	b)	viral content	
	c)	exclusive coupons	d)	marketing messages	
9.	_____ is a method of computing that delivers secure, private, and reliable computing experiences based on sound business practices.			CO5	[K2]
	a)	Trustworthy computing	b)	Identity manager	
	c)	Intruder	d)	Cyber computing	
10.	Software development activities can be arranged in which of the given sequence. (i) Design (ii) Testing (iii)Analysis (iv)Coding			CO4	[K2]
	a)	ii – i –iv-ii	b)	iii – i –iv-ii	
	c)	i –iii –iv-ii	d)	i –ii –iv-ii	

PART B (10 x 2 = 20 Marks)

11.	Give the real time example for given conditions: a) Ethical and Legal b) Not ethical and Not legal	CO1	[K3]
12.	What is the importance of ethics in computer world?	CO1	[K1]
13.	Assess why spam messages are considered as one of the internet's biggest problems.	CO2	[K4]
14.	Evaluate the changes brought by computers in the working environment and on work practices in an organization.	CO2	[K4]
15.	List out some of the responsibilities of professionals.	CO5	[K1]
16.	Distinguish between Law and Ethics.	CO3	[K2]
17.	Differentiate slander and libel.	CO5	[K2]
18.	What is a safety critical system?	CO4	[K2]
19.	List the levels of CMMI.	CO3	[K1]
20.	What is Phishing? Give one example.	CO4	[K2]

PART C (10 x 5 = 50 Marks)

21.	Analyze how Corporate Social Responsibilities (CSR) activities impact society, employees, and the community.	CO1	[K4]
22.	Some IT security personnel believe that their organizations should employ former computer criminals who now claim to be white hat hackers to identify weaknesses in their organizations' security defenses. Do you agree? Why or why not?	CO1	[K3]
23.	Discuss the ethical issues which may occur between IT workers, employers, and suppliers.	CO2	[K2]
24.	How does copyright protect the creators of original works of authorship in any tangible medium of expression? Explain.	CO2	[K3]

25.	What is Plagiarism? Outline an approach that a publisher might take to successfully combat plagiarism by its journal paper authors.	CO3	[K3]
26.	Analyze some of the current issues associated with the protection of intellectual property?	CO3	[K4]
27.	Compare cyber bullying and cyber stalking. Suggest few measures to overcome it.	CO4	[K2]
28.	Discuss the merits and demerits of social networking website.	CO4	[K2]
29.	Discuss the advantages and disadvantages of employee monitoring in the workplace.	CO5	[K2]
30.	Explain the concept of Whistle blowing with an example.	CO5	[K2]
	Answer any TWO Questions **PART D (2 x 10 = 20 Marks)**		
31.	Describe the different categories of computer attacks that may occur in today's work environments. Give examples.	CO2	[K2]
32.	Case study: Assume you are a recent graduate of a well-respected business school, but you are having trouble getting a job. You worked with a professional résumé service to develop a well-written résumé and placed it on several Web sites; you also sent it directly to contacts at a dozen companies. So far, you have not even had an invitation for an interview. You know that one of your shortcomings is that you have no real job experience to speak of. You are considering beefing up your résumé by exaggerating the extent of the class project you worked on for a few weeks at your brother-in-law's small consulting firm. You could reword the résumé to make it sound as if you were employed and that your responsibilities were greater than they were. What would you do? Give your thoughts.	CO1	[K3]
33.	Criticize how cyber bullying arises as an ethical issue for the members of social networking.	CO5	[K4]

****

****