

Guru Nanak Dev Engineering College, Ludhiana			
Department of Information Technology Aug- Dec 2022			
Program	B.Tech.(IT)	Semester	3rd
Subject Code	HSIMT-101	Subject Title	PPLE Section A and B
Mid Semester Test (MST) No.	2	Course Coordinator(s)	Dr. Amit Kamra Dr. Kamaljit Kaur
Max. Marks	24	Time Duration	1 hour 30 minutes
Date of MST		Roll Number	

Note: Attempt all questions

Q. No.	Question	COs, RBT level	Marks
1	Distinguish between trademarks and copyrights.	CO1,L1	2
2	Point out the elements of successful technical resume.	CO2,L3	2
3	Write the steps to obtain Patent certificate in India.	CO1,L2	4
4	Describe the Coding Standards for DBMS and Networks.	CO2,L3	4
5	Illustrate various methods to avoid plagiarism.	CO1,L6	4
6	Explain the various types of identity theft. Assume you have made some nice painting and you want to get its copyright. Discuss the procedure of obtaining copyright of this item in India.	CO2,L6 CO3,L6	8

Course Outcomes (CO)  
Students will be able to

1	Critically analyze and discuss key characteristics and emerging issues of Professional practice and ethics
2	Articulate and reflect on the industry expectations of competence and conduct in IT related professions.
3	Awareness of types of ethical challenges and dilemmas confronting in IT field
4	Ability to relate ethical concepts and materials to ethical problems in specific professions and professionalism.
5	Interpret and understand the various chapters and sections under Indian IT Act2000
6	Reckon out the need of Intellectual property rights and copyrights

RBT Classification	Lower Order Thinking Levels (LOTS)			Higher Order Thinking Levels (HOTS)		
	L1	L2	L3	L4	L5	L6
RBT Level Number						
RBT Level	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating

**Guru Nanak Dev Engineering College, Ludhiana**

**Department of Information Technology**

Program	B.Tech.(IT)	Semester	3rd
Subject Code	HSMIT-101	Subject Title	PPLE for IT Engineers
Mid Semester Test (MST) No.	1	Course Coordinator(s)	Dr. Kamaljit Kaur and Dr. Amit Kamra
Max. Marks	24	Time Duration	1 hour 30minutes
Date of MST	Sept, 2023	Roll Number	

**Note:** Attempt all questions

Q. No.	Question	COs, RBT Level	Marks
Q1	Specify the general criteria to become a Professional engineer? .	CO1, L2	2
Q2	Is there any benefit of using industry code of practice? Explain.	CO2, L4	2
Q3	Signify the social context of IT and evaluating green computing perforce metrics.	CO4, L1	4
Q4	Elaborate skills required for effective functioning in a team environment.	CO4, L3	4
Q5	Define Ethics ? Differentiate between ethical and legal issues related to IT.	CO3, L4	4
Q6	Discuss as a case study as you get a job of a software professional in IT industry. What role you are playing to a) Develop green IT b) Manage professionalism among team members c) Tackling jealousy and envy among your team members.	CO2, L5	8

**Course Outcomes (CO)**

*Students will be able to*

1	Critically analyze and discuss key characteristics and emerging issues of Professional practice and ethics.
2	Articulate and reflect on the industry expectations of competence and conduct in IT related professions.
3	Awareness of types of ethical challenges and dilemmas confronting in IT field.
4	Ability to relate ethical concepts and materials to ethical problems in specific professions and professionalism
5	Interpret and understand the various chapters and sections under Indian IT Act 2000
6	Reckon out the need of Intellectual property rights and copyrights.

RBT Classification	Lower Order Thinking Levels (LOTS)	HIGHER ORDER THINKING LEVELS (HOTS)				
RBT Level Number	L1	L2	L3	L4	L5	L6
RBT Level Name	Remembering	UNDESTAND ING	APPLYING	ANALYZ ING	EVALUAT ING	CREATING



**Guru Nanak Dev Engineering College, Ludhiana**

**Department of Information Technology**

Program	B.Tech.(IT)	Semester	3rd
Subject Code	HSMIT-101	Subject Title	PPL for IT engineers
Mid Semester Test (MST) No.	1	Course Coordinator(s)	Dr. Kamaljit Kaur and Dr. Amit Kamra
Max. Marks	24	Time Duration	1 hour 30minutes <i>Q5</i>
Date of MST	30 Sept, 2022	Roll Number	

Note: Attempt all questions

Q. No.	Question	COs, RBT level	Marks	<i>Lead</i>
<i>Q1</i>	Specify the general criteria to become a Professional engineer?	CO1, L2	2	
<i>Q2</i>	Is there any benefit of using industry code of practice? Explain.	CO2, L2	2	
<i>Q3</i>	Differentiate between professional and non-professional	CO4, L1	4	
<i>Q4</i>	Elaborate skills required for effective functioning in a team environment.	CO4, L3	4	
<i>Q5</i>	Define Integrity? Differentiate between moral ethics and law.	CO3, L1	4	<i>fm</i>
<i>Q6</i>	Discuss as a case study as you get a job of a software professional in IT industry. What role you are playing to a) Develop green IT b) Manage professionalism among team members c) Tackling jealousy and envy among your team members.	CO2, L4	8	

**Course Outcomes (CO)**

*Students will be able to*

1	Critically analyze and discuss key characteristics and emerging issues of Professional practice and ethics.
2	Articulate and reflect on the industry expectations of competence and conduct in IT related professions.
3	Awareness of types of ethical challenges and dilemmas confronting in IT field.
4	Ability to relate ethical concepts and materials to ethical problems in specific professions and professionalism
5	Interpret and understand the various chapters and sections under Indian IT Act 2000
6	Reckon out the need of Intellectual property rights and copyrights.

RBT Classification	Lower Order Thinking Levels (LOTS)	HIGHER ORDER THINKING LEVELS (HOTS)				
RBT Level Number	L	L2	L3	L4	L5	L6
RBT Level Name	Remembering	UNDESTANDING	APPLYING	ANALYZING	EVALUATING	CREATING

*Qm*



Guru Nanak Dev Engineering College, Ludhiana			
Department of Information Technology Aug- Dec 2022			
Program	B.Tech.(IT)	Semester	3rd
Subject Code	HSIMT-101	Subject Title	PPLC Section A and B
Mid Semester Test (MST) No.	2	Course Coordinator(s)	Dr. Amit Kamra Dr. Kamaljit Kaur
Max. Marks	24	Time Duration	1 hour 30 minutes
Date of MST	15.11.2022	Roll Number	

Note: Attempt all questions

Q. No.	Question	COs, RBT level	Marks
1	Distinguish between trademarks and copyrights.	CO1,L1	2
2	Point out the need of industry code of practice.	CO2,L3	2
3	Write the steps to obtain GI certificate in India.	CO1,L2	4
4	Describe the elements of a successful technical resume.	CO2,L3	4
5	Illustrate various methods to avoid plagiarism.	CO1,L6	4
6	Explain the various types of identity theft. Assume you have made some nice painting and you want to get its copyright. Discuss the procedure of obtaining copyright of this item in India.	CO2,L6 CO3,L6	8

### Course Outcomes (CO)

Students will be able to

1	Critically analyze and discuss key characteristics and emerging issues of Professional practice and ethics
2	Articulate and reflect on the industry expectations of competence and conduct in IT related professions.
3	Awareness of types of ethical challenges and dilemmas confronting in IT field
4	Ability to relate ethical concepts and materials to ethical problems in specific professions and professionalism.
5	Interpret and understand the various chapters and sections under Indian IT Act2000
6	Reckon out the need of Intellectual property rights and copyrights

RBT Classification	Lower Order Thinking Levels (LOTS)			Higher Order Thinking Levels (HOTS)		
	L1	L2	L3	L4	L5	L6
RBT Level Number						
RBT Level Name	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating



MORNING

30 DEC 2022

Please check that this question paper contains 09 questions and 02 printed pages within first 10 minutes.

[Total No. of Questions: 09]

[Total No. of Pages:02]

Uni. Roll No. ....

Program/ Course: B.Tech. (Batch 2018 onwards)

Semester: 3<sup>rd</sup>

Name of Subject: Professional Practice, Laws and Ethics for IT Engineers

Subject Code: HSMIT-101

Paper ID: 16044

Max. Marks: 60

Time Allowed: 3 Hours

NOTE:

- 1) Parts A and B are Compulsory
- 2) Part C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice.
- 3) Any missing data may be assumed appropriately.

[Marks: 02 each]

Part – A

Q1.

- (a) Define concept of professional ethics.
- (b) List the skills required for functioning of effectively in a team environment.
- (c) Different between ethical and legal issues as related to IT.
- (d) What is the need of IEEE code of Ethics?
- (e) Workplace monitoring is significant for risk identification. Comment.
- (f) Enumerate the elements that create a successful technical resume.

[Marks: 04 each]

Part – B

- (Q2) Discuss the Nature of professionalism and its place in the field of IT.
- (Q3) Illustrate the methods for conflict management in building stronger teams.
- (Q4) Exemplify the need for developing a Green IT Policy at workplace.
- (Q5) Why freedom of expression is important issue in cyber world today?
- (Q6) Discuss the procedure of obtaining copyrights in India.
- (Q7) Elaborate the various ways to avoid plagiarism.

[Marks: 12 each]

Part – C

- (Q8) Distinguish between a) Business Ethics and Corporate Ethics b) Engineering and Personal Ethics c) Cyber Bullying and Cyber Stalking d) Self and Global Plagiarism



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30 DEC 2022

OR

(A)

Explain in detail the concept of identity theft. How does social networking plays an Important role in ethical issues.

Q9. Discuss the preamble of various types of Acts associated with Information Technology.

OR

(A)

Write short notes on  
a) Crime in Virtual World  
b) Copyrights vs. Trademarks  
c) Coding Standards.

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[Total No. of Questions: 09]

[Total No. of Pages: 02]

Uni. Roll No. ....

Program: B.Tech. (Batch 2018 onward)

Semester: 3<sup>rd</sup>

Name of Subject: Professional Practice, Laws and Ethics for IT Engineers

Subject Code: HSMIT-101

Paper ID: 16044

Max. Marks: 60

Time Allowed: 03 Hours

NOTE:

- 1) Parts A and B are compulsory
- 2) Part-C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice
- 3) Any missing data may be assumed appropriately

[Marks: 02 each]

Part - A

Q1.

- (a) Define Green IT.
- (b) Difference between moral ethics and laws.
- (c) What are network and dbms standards.
- (d) Explain IEEE code of ethics.
- (e) Compare team management and conflict management.
- (f) Illustrate principles of professional practice.

Part - B

[Marks: 04 each]

- Q2. What do you mean by plagiarism and types of plagiarism.
- Q3. Describe First Amendment rights and what is the effect of deffamation and hate speech.
- Q4. Discuss industry code of conduct. How to write and implement code of conduct.
- Q5. Contrast ethical and legal issues as related to Information Technology.
- Q6. Analyse the role of incentives at workplace.
- Q7. Elaborate IT act 2000 and what is the impact of this law on IT.

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15 JUL 2011

## Part - C

[Marks: 12 each]

Q8. Explain

- a) Intellectual property and types of IP
- b) Illustrate about risk identification and evaluation. Analyze the role of risk to organization.

Or

Q8. Describe Teamwork and conflict management, what are the Skills required for functioning of effectively in a team environment and methods how industry achieves goal.

Q9. Contrast

- a) Conflict management and Team management.
- b) Business ethics and Personal ethics
- c) Corporate blogging and Social Networking
- d) Cyber bullying and Cyber stalking.

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[Total No. of Questions: 09]

Uni. Roll No. 2263751

[Total No. of Pages: 2]

Program: B.Tech. (Batch 2018 onward)

Semester: 3<sup>rd</sup>

Name of Subject: Professional Practice, Laws and Ethics for IT Engineers

Subject Code: HSMIT-101

Paper ID: 16044

Scientific calculator is Not Allowed

Time Allowed: 03 Hours

Max. Marks: 60

NOTE:

- 1) Parts A and B are compulsory
- 2) Part-C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice
- 3) Any missing data may be assumed appropriately

Part – A

[Marks: 02 each]

Q1.

- (a) Why is it necessary to manage computer hazardous material, and what are the potential risks if not managed properly?
- (b) Explain IEEE code of ethics.
- (c) Name one area where business ethics is applied.
- (d) State whether or not IT workers can be considered professionals and provide a reason for your answer.
- (e) Compare team management and conflict management.
- (f) Provide a brief definition of professional practice

Part – B

[Marks: 04 each]

- Q2. Describe the nature of professionalism in the field of Information Technology.
- Q3. Define plagiarism and provide examples of different types of plagiarism.
- Q4. Explain intellectual property and list the main forms of intellectual property. Explain briefly the concepts of copyright, trademarks, patents, designs, and secrets.

- Q5. Discuss how the field of Information Technology utilizes or benefits from addressing social and professional issues, providing at least two examples.
- Q6. Compare and contrast different methods for evaluating green computing performance metrics, highlighting their strengths and weaknesses.
- Q7. Evaluate the impact of coding, database management system (DBMS), and network standards on the efficiency, security, and interoperability of IT systems.

**Part – C**

**[Marks: 12 each]**

- Q8. Analyze the role of risk within an organization, outlining the importance of identifying and evaluating risks. Discuss how risk assessment contributes to informed decision-making and propose appropriate actions organizations can take to mitigate potential risks. Also explain the process of establishing a security policy within an organization.

OR

Compare and contrast ethical issues with legal issues as they relate to Information Technology. Provide examples to illustrate the differences and similarities between ethical and legal considerations in IT. Also Explain how Information Technology uses or benefits from social and professional issues.

- Q9. Compare and contrast the definitions, chapters, jurisdiction, and penalties outlined in the Computer Misuse Act 1990 and the Information Technology Act 2000. Explore how these laws accommodate emerging technologies and the challenges they may face in keeping pace with technological advancements.

OR

- Q10. Evaluate the essential skills required for a successful career in Information Technology. Discuss how these skills contribute to professional growth and success in the rapidly evolving IT industry. Provide specific examples of how these skills are applied in real-world scenarios. Also examine the significant elements crucial for a strong interview in the IT field.

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Please check that this question paper contains 09 questions and 02 printed pages within first 10 minutes.

[Total No. of Questions: 09]

[Total No. of Pages:02]

Uni. Roll No. ....

Program/ Course: B.Tech. (Batch 2018 onwards)

Semester: 3<sup>rd</sup>

Name of Subject: Professional Practice, Laws and Ethics for IT Engineers

Subject Code: HSMIT-101

Paper ID: 16044

Time Allowed: 3 Hours

Max. Marks: 60

**NOTE:**

- 1) **Parts A and B are Compulsory**
- 2) **Part C** has Two Questions Q8 and Q9. Both are compulsory, but with internal choice.
- 3) Any missing data may be assumed appropriately.

**Part – A**

[Marks: 02 each]

Q1.

- a) Define concept of professional ethics.
- b) List the skills required for functioning of effectively in a team environment.
- c) Different between ethical and legal issues as related to IT.
- d) What is the need of IEEE code of Ethics?
- e) Workplace monitoring is significant for risk identification. Comment.
- f) Enumerate the elements that create a successful technical resume.

**Part – B**

[Marks: 04 each]

Q2. Discuss the Nature of professionalism and its place in the field of IT.

Q3. Illustrate the methods for conflict management in building stronger teams.

Q4. Exemplify the need for developing a Green IT Policy at workplace.

Q5. Why freedom of expression is important issue in cyber world today?

Q6. Discuss the procedure of obtaining copyrights in India.

Q7. Elaborate the various ways to avoid plagiarism.

**Part – C**

[Marks: 12 each]

Q8. Distinguish between a) Business Ethics and Corporate Ethics b) Engineering and Personal Ethics c) Cyber Bullying and Cyber Stalking d) Self and Global Plagiarism

OR

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30 DEC 2022

Explain in detail the concept of identity theft. How does social networking plays an Important role in ethical issues.

Q9. Discuss the preamble of various types of Acts associated with Information Technology.

OR

Write short notes on a) Crime in Virtual World  
b) Copyrights vs. Trademarks  
c) Coding Standards.

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EVENING

15 MAR 2021

[Total No. of Questions: 09]

[Total No. of Pages: 02]

Uni. Roll No. ....

Program: **B.Tech. (Batch 2018 onward)**

Semester: **3<sup>rd</sup>**

Name of Subject: **Professional Practice, Laws and Ethics for IT Engineers**

Subject Code: **HSMIT-101**

Paper ID: **16044**

**Time Allowed: 03 Hours**

**Max. Marks: 60**

**NOTE:**

- 1) Parts A and B are compulsory
- 2) Part-C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice
- 3) Any missing data may be assumed appropriately

**Part – A**

**[Marks: 02 each]**

**Q1.**

- a) Define Green IT.
- b) Difference between moral ethics and laws.
- c) What are network and dbms standards.
- d) Explain IEEE code of ethics.
- e) Compare team management and conflict management.
- f) Illustrate principles of professional practice.

**Part – B**

**[Marks: 04 each]**

- Q2.** What do you mean by plagiarism and types of plagiarism.
- Q3.** Describe First Amendment rights and what is the effect of deffamation and hate speech.
- Q4.** Discuss industry code of conduct. How to write and implement code of conduct.
- Q5.** Contrast ethical and legal issues as related to Information Technology.
- Q6.** Analyse the role of incentives at workplace.
- Q7.** Elaborate IT act 2000 and what is the impact of this law on IT.

**P.T.O**



EVENING  
15 MAR 2021

Part – C

[Marks: 12 each]

Q8. Explain

- a) Intellectual property and types of IP
- b) Illustrate about risk identification and evaluation. Analyze the role of risk to organization.

Or

Describe Teamwork and conflict management, what are the Skills required for functioning of effectively in a team environment and methods how industry achieves goal.

Q9. Contrast

- a) Conflict management and Team management.
- b) Business ethics and Personal ethics
- c) Corporate blogging and Social Networking
- d) Cyber bullying and Cyber stalking.

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*Please check that this question paper contains 09 questions and 02 printed pages within first ten minutes.*

[Total No. of Questions: 09]

[Total No. of Pages: 02]

Uni. Roll No. ....

Program: B. Tech

Semester: 3rd

Name of Subject: Professional Practice, Laws and Ethics for IT Engineers

Subject Code: HSMIT-101

Paper ID: 16044

**Time Allowed: 02 Hours**

**Max. Marks: 60**

**NOTE:**

- 1) Each question is of 10 marks.
- 2) Attempt any six questions out of nine
- 3) Any missing data may be assumed appropriately

10-01-2020(M)

- Q1.** It is a common practice for managers to hold people accountable to meet “stretch” goals, quotas, and budgets. How can this be done in a way that does not encourage unethical behaviour on the part of employees?
- Q2.** Appraise different skills required for functioning effectively in a team environment. Elaborate different methods for conflict management in building stronger teams.
- Q3.** Some IT security personnel believe that their organizations should employ former computer criminals to identify weaknesses in their organizations’ security defenses. Do you agree? Why or why not?
- Q4.** Differentiate between Moral ethics and laws. Elaborate different Attribute related to:
- a. IEEE code of ethics
  - b. Green IT policies
  - c. Ethical and legal
- Q5.** A coworker confides to you that he is going to begin sending emails to your employer’s internal corporate blog site, which serves as a suggestion box. He plans to use an anonymous remailer and sign the messages “Anonymous.” Your friend is afraid of retribution from superiors but wants to call attention to instances of racial and sexual

- discrimination observed during his five years as an employee with the firm. What would you say to your friend?
- Q6.** Illustrate elements of successful technical Resume and key elements required to clear strong interview for an IT position? Write a note on standards related to
- a) Coding
  - b) DBMS
  - c) Network
- Q7.** You are 30 minutes into a job interview for your dream job—one where your college education and experience could really be applied. So far everything is going well. Then, the interviewer asks you to write down your Facebook username and password so she can do further research after the formal interview is over. What would you do?
- Q8.** Paraphrase different perspectives of IT ACT 2000, Intellectual property, and copyright in detail.
- Q9.** Describe plagiarism and its different types. If you change the words, do you still have to cite the source? If you cite the source, can you still be accused of plagiarism? Your answer must have proper justification in detail.

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[Total No. of Questions: 09]

[Total No. of Pages:2]

MORNING

Uni. Roll No. ....

10 MAY 2023

Program: B.Tech. IT (Batch 2018 onward)

Semester: 3

Name of Subject: Professional Practice, Laws and Ethics for IT Engineers

Subject Code: HSMIT-101

Paper ID: 16044

Time Allowed: 03 Hours

Max. Marks: 60

**NOTE:**

- 1) Parts A and B are compulsory
- 2) Part-C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice
- 3) Any missing data may be assumed appropriately

**Part – A**

[Marks: 02 each]

**Q1.**

- a) Define Patent and copyright
- b) What is intellectual Property.
- c) Is there any benefit of using industry code of practice? Explain.
- d) Specify the general criteria to become a Professional engineer?
- e) Differentiate between professional and non-professional
- f) What constitutes a profession ?

**Part – B**

[Marks: 04 each]

- Q2. Discuss methods of conflict management in building stronger teams.
- Q3. Elaborate skills required for effective functioning in a team environment.
- Q4. Define Integrity? Differentiate between moral ethics and law.
- Q5. Illustrate Risk assessment and appropriate actions taken.
- Q6. What are the benefits of industry code of practice
- Q7. How incentives at workplace helps for implementing green computing.

**Part – C****[Marks: 12 each]**

**Q8.** Discuss piracy in internet. Its remedies and procedures in india.

OR

Discuss as a case study as you get a job of a software professional in IT industry.

What role you are playing to a) Develop green IT b) Manage professionalism among team members c) Tackling jealousy and envy among your team members

**Q9.** Elaborate shades of gray a) reason for students towards plagiarism b) tools to avoid plagiarism

OR

Discuss Ethics, Business ethics and Corporate Ethics. Contrast Ethical and legal issues as related to Information Technology.

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Please check that this question paper contains 09 questions and 02 printed pages within first ten minutes.

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[Total No. of Questions: 09]

[Total No. of Pages: 02]

Uni. Roll No. ....

10 JUN 2023

Program: B.Tech. (Batch 2018 onward)

Semester: 3 Semester

Name of Subject: Professional Practice, Laws and Ethics for IT Engineers

Subject Code: HSMIT-101

Paper ID: 16044

**Time Allowed: 03 Hours**

**Max. Marks: 60**

**NOTE:**

- 1) Parts A and B are compulsory
- 2) Part-C has Two Questions Q8 and Q9. Both are compulsory but with internal choice
- 3) Any missing data may be assumed appropriately

**Part – A**

**[Marks: 02 each]**

**Q1.**

- a) Define professional practice and its significance in the field of Information Technology.
- b) What are the skills required for effective teamwork in an IT environment?
- c) Discuss the concept of ethics in business and the difference between moral ethics and laws.
- d) Analyze the benefits of implementing an industry code of practice in the IT industry.
- e) How does the social context of IT influence the adherence to an ethical code of conduct?
- f) Evaluate the importance of intellectual property rights in the IT industry and explain the concept of copyright infringement.

**Part – B**

**[Marks: 04 each]**

- Q2.** Describe the principles of professional practice and their role in maintaining professionalism in the IT industry.
- Q3.** Discuss the methods for conflict management that can be applied to build stronger teams in the IT sector.

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10 JUN 2023

- Q4. Explain the different types of plagiarism and provide examples to illustrate each type. Discuss the consequences of plagiarism in academic and professional settings. Additionally, suggest practical strategies that can be used to avoid plagiarism.
- Q5. In the field of Information Technology, what are the skill sets that are essential for a successful career? Evaluate how these skills contribute to professional growth and advancement in the IT industry. Provide examples to support your analysis.
- Q6. Analyze the elements of a successful technical resume for an IT position. Discuss the significant elements that should be included to showcase technical expertise and suitability for the role. Explain how tailoring the resume can enhance the chances of securing an interview.
- Q7. Evaluate the role of coding standards, DBMS standards, and network standards in ensuring compatibility, interoperability, and cybersecurity in the IT field.

**Part – C**

**[Marks: 12 each]**

- Q8. Discuss the significance of professional ethics in the IT industry, considering the social and professional issues involved. Provide examples to support your answer.

OR

Explain the provisions and significance of the Information Technology Act (IT Act) of 2000 in India. Discuss its key chapters, jurisdiction, penalties, and role in regulating and promoting the use of technology in various sectors. Provide examples to illustrate the impact of the IT Act on the legal framework of information technology in India.

- Q9. Critically evaluate the challenges and considerations surrounding patent protection for computer programs. Discuss the process of obtaining a patent for a computer program, including the criteria for patentability and the role of patent examiners. Analyze the rights and obligations of a patentee in the context of computer programs. Furthermore, examine the duration of patents, the policy considerations involved, and the potential impact on innovation and technological advancements. Finally, explore the concept of infringement in relation to computer program patents and examine the remedies available to patent holders. Provide examples and arguments to support your analysis.

OR

Critically examine the challenges faced by IT professionals in the era of advancing technology, including privacy concerns, freedom of expression, and the ethical implications of emerging technologies. Provide examples and propose solutions to address these challenges.

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