Subject Code: R13105/R13   Set No - 4

I B. Tech I Semester Regular/Supplementary Examinations Jan./Feb. - 2015
COMPUTER PROGRAMMING
(Common to CE, ME, CSE, PCE, IT, Chem E, Aero E, AME, Min E, PE, & Metal E)

Time: 3 hours   **Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**
*****

PART-A

1.(i)   How to execute c program in linux? Explain with example.
 (ii)   Differentiate between do-while and while-do.
 (iii) Differentiate between 1D and 2D arrays.
 (iv)   Explain about character pointer.
 (v)   Discuss about rotation.
 (vi)   What is binary file? Discuss

                                                      [4+4+3+4+3+4]

PART- B

2.(a)   Differentiate between hardware and software.
 (b)   Explain about the history of the C programming language.
 (c)   Write a C program that illustrates the unary operators.

                                                      [4+6+6]

3.(a)   What is an array? What are the disadvantages of an array? Discuss.
 (b)   Write a program to print the following matrix on the screen.

        a b c d e
        f g h i j
        k l m n o
        p q r s t   [8+8]

4.(a)   Explain about different storage classes with examples along with scope rules.
 (b)   Write a program to print Pascal triangle using functions.   [8+8]

5.(a)   Differentiate between direct and indirect pointers with examples.
 (b)   Write a program to illustrate pointers.   [8+8]

6.(a)   What is union? How to declare and initialize unions? Discuss.
 (b)   Write a program to find two's compliment for the given no.   [8+8]

7.(a)   What are different types of operating modes of files? Explain with an example.
 (b)   Write a program to copy one file contents into another file in reverse order.   [6+10]

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I B. Tech I Semester Regular/Supplementary Examinations Jan./Feb. - 2015
PROFESSIONAL ETHICS & HUMAN VALUES
(Common to ECE, EEE, EIE, Bio-Tech, EComE & Agri.E)

Time: 3 hours   **Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**
*****

PART-A

1.(i)   Write a brief account on 'Autonomous computers'.
(ii)   'Codes provide a positive stimulus for ethical conduct'- explain.
(iii) How courage is considered as virtue?
(iv)   What are the issues related to cross-culture?
(v)   Explain types of inquiry.
(vi)   Write about risk- benefit analysis. Explain with an example.
(vii) What is conflict of interest?

[3+3+3+3+3+3+4]

PART-B

2. Explain the salient features of Indian patent act 1970. What are its objectives?

[16]

3. Write about-
    (a) Threshold Levels for Risk.
    (b) Liability

[8+8]

4. Write about
    (a) Kohlberg's theory
    (b) Professional Ethics.

[8+8]

5. (a) What is the importance of collegiality?
   (b) Write about two sences of Loyalty. Does Loyalty affects professionalism?

[8+8]

6. What are the general features of morally responsible engineers? Explain each feature with
    appropriate examples.

[16]

7. Write a note on –
    (a) Integrity
    (b) Self- respect

[8+8]

Subject Code: R13108/R13

Set No - 2

I B. Tech I Semester Regular/Supplementary Examinations Jan./Feb. - 2015
PROFESSIONAL ETHICS & HUMAN VALUES
(Common to ECE, EEE, EIE, Bio-Tech, EComE & Agri.E)

Time: 3 hours   **Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**
*****

PART-A

1.(i) Explain what is meant by authenticity.
 (ii) What are values? Explain how values have changed over a period of time.
 (iii) Explain the meaning of moral leader ship.
 (iv) Write about types of inquiry.
 (v) Discuss the need to focus on professional ethics. Why are they essential to a person in any profession.
 (vi) What is conscientiousness?
 (vii) List the moral rights of a salaried engineer. What are his responsibilities?

[3+3+3+3+3+3+4]

PART-B

2. What is institutional authority? How do you correlate institutional authority, expert authority and power?

[16]

3.   Discuss the qualities of an engineer in order to be a responsible experimenter.

[16]

4. Write briefly about
   (a) 'Honesty is the best policy'
   (b) Living peace fully
   (c) Civic virtue
   (d) Integrity.

[4+4+4+4]

5.   Write about-
   (a) Computer ethics.
   (b) Consulting engineering.

[8+8]

6. (a) Explain Gilligan's stage theory of moral development.
   (b) Write about the types of inquiry.

[8+8]

7. Write about
   (a) Safety and engineer
   (b) Risk benefit analysis.

[8+8]

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Set No - 3

I B. Tech I Semester Regular/Supplementary Examinations Jan./Feb. - 2015
PROFESSIONAL ETHICS & HUMAN VALUES
(Common to ECE, EEE, EIE, Bio-Tech, EComE & Agri.E)

Time: 3 hours   **Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**
*****

PART-A

1.(i)   How can risks be reduced? Explain.
  (ii)   Explain the essence of Indian Spirituality.
  (iii)   Give an account of the History of Ethics.
  (iv)   What is meant by globalization? What are its advantages?
  (v)   Write short notes on industrial standard.
  (vi)   What is meant by obligations of loyalty?
  (vii)   Explain the term Accountability.

[3+3+3+3+3+3+4]

PART-B

2. (a)   What are the types of Accidents? Give the details.
   (b)   Write about the importance of the designing for safety.

[8+8]

3.   Define and explain personal ethics and professional ethics.

[16]

4.   Write a short note on-
   (a) Weapon development.
   (b) Autonomous computers.

[8+8]

5.   Elaborate your views on 'Engineering as social experimentation'

[16]

6. Explain the levels of moral development as suggested by Kohlberg. What is Gilligan's
   argument? Make a comparative study.

[16]

7.   Write about-
   (a) Ethical Egoism.
   (b) Collective Bargaining.

[8+8]

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Set No - 4

I B. Tech I Semester Regular/Supplementary Examinations Jan./Feb. - 2015
PROFESSIONAL ETHICS & HUMAN VALUES
(Common to ECE, EEE, EIE, Bio-Tech, EComE & Agri.E)

Time: 3 hours   **Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**
*****

PART-A

1.(i)   What is meant by Ethical – Egoism?
  (ii)   Write about fundamental values.
  (iii)   Distinguish between profession and professionalism.
  (iv)   Explain what happens if the judgment about the risk is incorrect?
  (v)   State the benefits of collective bargaining.
  (vi)   What is the role played by experimentation in the design process?
  (vii)   What are the responsibilities of the engineers as managers?

[3+3+3+3+3+3+4]

PART-B

2. State and explain any two major accidents. List out the causes and suggest the safety measures.

[16]

3. Explain in detail -
    (a) Peace
    (b) Non violence
    (c) Right conduct
    (d) Respect for others

[4+4+4+4]

4. (a) Explain the necessity that engineers must be the guardians of public interest.
   (b) Can knowledge be gained by the study of engineering projects? Discuss.

[8+8]

5. (a) Explain in detail the essence of Kohlberg's theory.
   (b) Write about the types of inquiry.

[8+8]

6. (a) Explain the meaning of 'accountability'.
   (b) Write short note on 'Industrial standards'.

[8+8]

7. Define and explain-
    (a) Privileged information.
    (b) Proprietary information

[8+8]

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