Reg. No. | | | | | | | | | | | | |

Question Paper Code : 57403

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2016

8/6/16

Fifth Semester

Mechanical Engineering

GE 6075 – PROFESSIONAL ETHICS IN ENGINEERING

(Regulations 2013)

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

Answer ALL questions.

PART – A (10 × 2 = 20 Marks)

1. What are the values ?
2. What is meant by self confidence ?
3. State Gilligans theory.
4. What is meant by consensus ?
5. Differentiate scientific experiments and engineering projects.
6. Give the limitations of codes.
7. Differentiate between Risk analysis and Risk benefit analysis.
8. What is intellectual property right ?
9. What is moral leadership ?
10. What is meant by Globalization ?

PART – B (5 × 16 = 80 Marks)

11. (a) Explain character and spirituality and their importance in ethics.

OR

(b) Explain the importance of self confidence in ethics.

12. (a) Explain in details about the senses of Engineering Ethics.

OR

(b) Discuss in details the various ethical theories and their uses.

13. (a) How can engineer become a responsible experimenter ? Highlight the code of ethics for Engineers.

OR

(b) Discuss on the roles played by the codes of ethics set by professional societies.

14. (a) What are the factors that affect risk acceptability ? What is the use of knowledge of risk acceptance to engineer ?

OR

(b) Discuss the significance of intellectual property rights. Also explain the legislation covering IPR in India.

15. (a) Describe in details about the Global issues of Weapons development.

OR

(b) Justify Engineers as Expert witness and Advisors with suitable examples.

Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 71929

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2017.

Fifth/Sixth/Seventh/Eighth Semester

Civil Engineering

GE 6075 — PROFESSIONAL ETHICS IN ENGINEERING

(Common to Agriculture Engineering, Automobile Engineering, Biomedical Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and communication Engineering, Electronics and Instrumentation Engineering, Geoinformatics Engineering, Industrial Engineering, Instrumentation and Control Engineering, Manufacturing Engineering, Materials Science and Engineering, Mechanical Engineering, Mechatronics Engineering, Production Engineering, Chemical Engineering, Fashion Technology, Information Technology, Petroleum Engineering, Plastic Technology, Polymer Technology, Textile Chemistry , Textile Technology)

(Regulations 2013)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define moral values with suitable examples.
2. Define the term "Service Learning".
3. What is meant by engineering as experimentation?
4. State the importance of ethical theories.
5. What are the uncertainities occur in model designs?
6. How does the law facilitate ethics in engineering?
7. What is the use of risk analysis?
8. Define the term collective bargaining.
9. What do you mean by IPR?
10. How is corporate social responsibility practiced?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the scope and importance of professional ethics in Engineering.

Or

(b) Discuss the role of yoga for professional excellence and stress management.

12. (a) Describe kohlberg and Gilligan's theories on moral autonomy.

Or

(b) (i) Name and describe the theories of right action. (8)

(ii) Discuss the role of 'self interest' with an examples. (8)

13. (a) What is the importance of codes of ethics? Explain in detail.

Or

(b) How can an engineer become a responsible experimenter? Explain in detail.

14. (a) Describe the concept of Risk-Benefit analysis with an example.

Or

(b) Discuss in detail about the "Employee Rights" and its role in the organisations.

15. (a) Discuss in detail about the moral and ethical issues involved in use of computers.

Or

(b) Explain the role of engineers as consultant and expert witnesses.

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Reg. No. :

Question Paper Code : 41167

28/04/18 FN

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2018
Fifth/Sixth/Seventh/Eighth Semester
Civil Engineering
GE6075 – PROFESSIONAL ETHICS IN ENGINEERING
(Common to : B.E. Agriculture Engineering/B.E. Automobile Engineering/ B.E. Biomedical Engineering/B.E. Computer Science and Engineering/B.E. Electrical and Electronics Engineering/B.E. Electronics and Communication Engineering/B.E. Electronics and Instrumentation Engineering/B.E. Geoinformatics Engineering/B.E. Industrial Engineering/B.E. Instrumentation and Control Engineering/B.E. Manufacturing Engineering/B.E. Materials Science and Engineering/B.E. Mechanical Engineering/B.E. Mechatronics Engineering/ B.E. Production Engineering/B.Tech. Chemical Engineering/B.Tech. Fashion Technology/ B.Tech. Food Technology/B.Tech. Information Technology/B.Tech. Petroleum Engineering/B.Tech. Plastic Technology/B.Tech. Polymer Technology/ B.Tech. Textile Chemistry/B.Tech. Textile Technology)
(Regulations 2013)

Time : Three Hours | Maximum : 100 Marks

Answer ALL questions

PART – A (10×2=20 Marks)

1. What is meant by civic virtue and how is it related to respect for others ?
2. Define the term empathy and how is it related to Emotional Quotient.
3. What are the merits of moral autonomy ?
4. Write the uses of ethical theories.
5. What are the limitations of codes of ethics ?
6. What are the merits of standardized experimentation ?
7. Define the term safety and relate it to risk.
8. What is meant by confidentiality and why it is needed ?
9. What are the advantages of MNCs to host country ?
10. What is code of conduct and mention its significance ?

PART – B (5×13=65 Marks)

11. a) What is integrity ? How integrity plays a major factor in work ethics ? Discuss with suitable examples.

(OR)

b) What is spirituality ? What are the spiritual traits to be developed for excellence in an organization ? Discuss with suitable examples.

12. a) What is moral autonomy ? Compare and contrast the theories of moral autonomy by Kohlberg and Gilligan.

(OR)

b) What is professionalism ? Discuss the motives for professionalism and the models for professional engineers.

13. a) Compare and contrast engineering experiments with standard experiments.

(OR)

b) What is research ethics ? Discuss the models of research ethics with suitable examples.

14. a) Discuss the testing strategies for safety with suitable examples. Mention the difficulties in assessing the personal risks.

(OR)

b) 'Safety in a commodity comes with a price' – substantiate with explanation. Discuss how the knowledge of risk is always better for safety with suitable examples.

15. a) Discuss the ethical role of engineers in weapon development with suitable examples.

(OR)

b) Discuss the ethical role of engineers as a consulting engineer with suitable examples.

PART – C (1×15=15 Marks)

16. a) Explain the Challenger space shuttle disaster. Discuss the violation of moral, ethical and professional codes of standards in it. Write a conclusion to avoid such disaster in future.

(OR)

b) Explain the Bhopal gas tragedy. Discuss the violation of moral, ethical and professional codes of standards in it. Write a conclusion to avoid such tragedy in future.

15/04/19

FN

Reg. No. :

Question Paper Code : 53118

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2019.

Fifth/Sixth/Seventh/Eighth Semester

Civil Engineering

GE 6075 — PROFESSIONAL ETHICS IN ENGINEERING

(Common to Agriculture Engineering/Automobile Engineering/ Biomedical Engineering/Civil Engineering/Computer Science and Engineering/ Electrical and Electronics Engineering/Electronics and Communication Engineering/ Electronics and Instrumentation Engineering/Geoinformatics Engineering/ Industrial Engineering/Instrumentation and Control Engineering/Manufacturing Engineering/Materials Science and Engineering/Mechanical Engineering/ Mechatronics Engineering/Production Engineering/Chemical Engineering/ Fashion Technology/ Food Technology/ Handloom and Textile Technology/ Information Technology/ Petroleum Engineering/ Plastic Technology/ Polymer Technology/ Textile Chemistry/ Textile Technology)

(Regulation 2013)

(Also common to PTGE 6075 – Professional Ethics in Engineering for B.E. (Part-Time) Fifth Semester Civil Engineering – Sixth Semester – Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Regulation 2014)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define Work Ethics.
2. Brief on Spirituality.
3. What are Moral Dilemma?
4. State any two methods that can be applied when testing appropriate?
5. What are the uncertainties that occur in Model Design?
6. What are Code of Ethics?
7. Define IPR.

8. What is Professional Right?

9. Define CSR.

10. What is Environmental Ethics?

PART B — (5 × 13 = 65 marks)

11. (a) Write short notes on Honesty and Integrity. (13)

Or

(b) Explain the role of Yoga in Professional Ethics. (13)

12. (a) Enumerate on Moral issues and types of inquiry. (13)

Or

(b) Discuss any two theories on Ethics. (13)

13. (a) Explain the characteristics of Morally Responsible Engineers.

Or

(b) Explain the code of Ethics to be followed by an Engineer.

14. (a) Discuss on the importance of Collective Bargaining.

Or

(b) Explain "Employee Rights" and its role in a Business Organisation.

15. (a) Write in detail about Engineers used as Consultant and Advisor. (13)

Or

(b) Discuss in detail about the moral and ethical issues involved in use of Computer Technology.

PART C — (1 × 15 = 15 marks)

16. (a) Discuss the role and importance of Ethics in Engineering.

Or

(b) Explain the significance of Environmental Ethics for an Engineer by giving an examples of environmental issue.

Reg. No. :

Question Paper Code : 50638

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2017
Fifth/Sixth/Seventh/Eighth Semester
Civil Engineering
GE 6075 – PROFESSIONAL ETHICS IN ENGINEERING
(Regulations 2013)
(Common to Agriculture Engineering, Automobile Engineering, Biomedical Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Electronics and Instrumentation Engineering, Geoinformatics Engineering, Industrial Engineering, Instrumentation and Control Engineering, Manufacturing Engineering, Materials Science and Engineering, Mechanical Engineering, Mechatronicis Engineering, Production Engineering, Chemical Engineering, Fashion Technology, Information Technology, Petroleum Engineering, Plastic Technology, Polymer Technology, Textile Chemistry, Textile Technology)

Time : Three Hours | Maximum : 100 Marks

Answer ALL questions.

PART – A (10×2=20 Marks)

1. What are the General Characteristics of values ?
2. What are the two important ways of building Courage ?
3. State the three types of Inquiry.
4. What are the two important versions of utilitarianism ?
5. What is meant by Conscientiousness ?
6. What are codes of Ethics referred to ?
7. Define Safety.
8. What does the term Collective Bargaining refer to ?
9. What is meant by Technology transfer ?
10. Point out the responsibilities of Consulting Engineers.

PART – B (5×13=65 Marks)

11. a) What is Service Learning ? Why service Learning is important ? Explain the Characteristics of Service Learning.

(OR)

b) Define Empathy. State and explain the Elements, Benefits of Empathy and compare Empathy with Sympathy.

12. a) What is meant by Moral Autonomy ? Discuss the factors influencing a persons's concern and the skills required to improve Moral Autonomy.

(OR)

b) Describe the Professional roles played by an Engineer.

13. a) What are Codes of Ethics ? State and explain the functions of codes of ethics and the objections to codes.

(OR)

b) Discuss the problems associated with laws in Engineering and Enumerate the proper Role of Law Engineering.

14. a) What is meant by conflict of interest ? Distinguish between General and Professional Conflicts of Interest and Discuss the various types of Conflicts of interest.

(OR)

b) What are Intellectual Property Rights ? Explain the elements of Intellectual Property Rights in detail and benefits of IPRS.

15. a) State the types of concern for environment by the Engineers. Discuss the approaches to resolve environmental problems. What do professional codes of Ethics say about the environment ?

(OR)

b) What is meant by Computer Ethics ? State and Explain the categories of ethical problems and the unethical acts computer as an instrument of unethical behaviour. What is meant by hacking ?

PART – C (1×15=15 Marks)

16. a) Explain in detail about the yoga and meditation for professional excellence and stress management.

(OR)

b) Explain in detail about the assessment of safety and Risk.

Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 20620

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2018.

Fifth/Sixth/Seventh/Eighth Semester

Civil Engineering

GE 6075 – PROFESSIONAL ETHICS IN ENGINEERING

(Common to Agriculture Engineering, Automobile Engineering, Biomedical Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Electronics and Instrumentation Engineering, Geoinformatics Engineering, Industrial Engineering, Instrumentation and Control Engineering, Manufacturing Engineering, Materials Science and Engineering, Mechanical Engineering, Mechatronics Engineering, Production Engineering, Chemical Engineering, Fashion Technology, Information Technology, Petroleum Engineering, Plastic Technology, Polymer Technology, Textile Chemistry, Textile Technology Handloom and Textile Technology)

(Also common to PTGE 6075 — Professional Ethics in Engineering for B.E. (Part-Time) – Fifth Semester — Civil Engineering – Regulations 2014)

(Regulations 2013)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is meant by integrity? How is it related to work ethics?
2. Define the term self confidence. How is it related to character development?
3. Define the term moral autonomy.
4. List the theories about right action.
5. What are the advantages of codes of ethics?
6. What are the limitations of standardized experimentation?
7. Define the term safety. How is it related to risk?
8. What is meant by conflict of interest?
9. What are demerits of MNCs to host country?
10. What is meant by corporate social responsibility?

PART B — (5 × 13 = 65 marks)

11. (a) What is service learning? Discuss its role in caring and sharing in society with suitable examples.

Or

(b) What is empathy? Discuss its role in the spiritual development for excellence in an organization with suitable examples.

12. (a) Discuss the theories of moral autonomy by Kohlberg and Gilligan.

Or

(b) Discuss the motives for professionalism and the models for professional engineers.

13. (a) Compare and contrast engineering experiments with standard experiments with suitable examples.

Or

(b) Discuss the models of research ethics with suitable examples.

14. (a) Explain the procedure in risk benefit analysis and discuss its role in reducing risks with suitable examples.

Or

(b) Discuss the 'faithful agent argument' and 'public service argument' of collective with Suitable examples.

15. (a) Discuss the ethical role of engineers as consultants with Suitable examples.

Or

(b) Discuss the ethical role of engineers as expert witness with Suitable examples.

PART C — (1 × 15 = 15 marks)

16. (a) 'Safety in a commodity comes with a price' – substantiate with explanation. Discuss how the knowledge of risk is always better for safety with suitable examples.

Or

(b) Discuss the ethical role of engineers in weapon development with Suitable examples.

Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 91653

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2019
Fifth/Sixth/Seventh/Eighth Semester
Civil Engineering
GE 6075 – PROFESSIONAL ETHICS IN ENGINEERING
(Common to Agriculture Engineering/Automobile Engineering/Biomedical Engineering/Civil Engineering/Computer Science and Engineering/Electrical and Electronics Engineering/Electronics and Communication Engineering/ Electronics and Instrumentation Engineering/Geoinformatics Engineering/ Industrial Engineering/Instrumentation and Control Engineering/Manufacturing Engineering/Materials Science and Engineering/Mechanical Engineering/ Mechatronics Engineering/Production Engineering/Chemical Engineering/ Fashion Technology/Food Technology/Handloom and Textile Technology/ Information Technology/Petroleum Engineering/Plastic Technology/Polymer Technology/Textile Chemistry/Textile Technology)
(Regulations 2013)

(Also common to PTGE 6075 – Professional Ethics in Engineering for B.E. (Part-Time) Fifth Semester Civil Engineering – Sixth Semester – Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Regulations 2014)

Time : Three Hours | Maximum : 100 Marks

Answer ALL questions.

PART – A **(10×2=20 Marks)**

1. What is service learning ?
2. Define Honesty.
3. What is meant by Moral Autonomy ?
4. Give classification of ethical theories.
5. What are the elements of informed consent ?
6. What are the limitations of codes of ethics ?

7. What is 'Safe Exists' ?
8. State the reasons that may cause risk.
9. Define Appropriate Technology.
10. Explain the meaning of 'moral leadership'.

PART – B **(5×13=65 Marks)**

11. a) Explain the different ways to improve the Spirituality in Corporate Environment.

(OR)

b) Write short notes on yoga and meditation for professional excellence and stress management. Explain the different ways to improve the human values.

12. a) Explain the three levels of moral developments with respect to Gilligan Views.

(OR)

b) What is Duty Ethics ? Explain in detail.

13. a) Discuss on 'Engineers as responsible experimenters'.

(OR)

b) What are the functions of codes of ethics ?

14. a) Explain the risk benefit analysis and conceptual problems associated with it.

(OR)

b) What are the elements of intellectual property rights ? Explain.

15. a) Discuss the ethical issues related to computer ethics.

(OR)

b) Explain the role of engineers as "Consulting Engineers".

PART – C **(1×15=15 Marks)**

16. a) Explain in detail the challenger accident. What are the ethical problems involved in this ?

(OR)

b) 'A nuclear accident anywhere is a nuclear accident everywhere'. Explain this with respect to Three Mile Island Case Study.