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ESE- 2018 (Prelims) - Offline Test Series

Test-4

GENERAL STUDIES

SUBJECT: ETHICS AND VALUES IN ENGINEERING PROFESSION

SOLUTIONS

01. Ans: (d)

Sol: Ethical conduct is for mutual benefit but not to self. Statement 4 is not correct

02. Ans: (a)

Sol: Professional code of ethics focus on issues that are related to profession and its conduct rather than personal conduct. So Option (a) is false.

03. Ans: (b)

Sol: The domain of morals evaluation is self (inner perspective) and that of ethics is the ethical group (out or external perspective). Hence Statement (2) is false. Ethics is the study of morals but not vice versa. Hence Statement (3) is false.

04. Ans: (a)

Sol: Western business is based on consumerism with profit as primary objective. Hence when values are compromised in terms of their deterioration, the first component that gets affected is environment.

05. Ans: (c)

Sol: Negligence of the driver is at the individual level. This is therefore micro ethical issue since ethical issues at individual, profession and society levels are micro ethical issues.

06. Ans: (a)

07. Ans: (d)

Sol: Engineering ethics is not about the rules of practice but standards of practice guided by moral values one has. Therefore statement (2) is not correct.

08. Ans: (c)

Sol: Right to development is human right and can not be separated.

09. Ans: (d)

Sol: Ethical theories like scientific theories can be applied to resolve dilemma. Statement (1) is correct. None of the theories gives comprehensive solution to a dilemma engineer's wisdom and autonomy are needed for appropriate decisions. Statement (2) is correct.

All the theories need not converge always different ethical theories evaluate to different recommendation. Similarly consequentiality theories always recognize a minority that does not benefit. Statement (3) and are false.

10. Ans: (a)

Sol: The best effort of engineer is to satisfy all but not to identify who is to be put to loss.



11. Ans: (b)

Sol: The best way to make safer product is through innovation. Innovation leads to new technologies which is turn throw new challenges. These challenges need to be solved by further innovations.

12. Ans: (d)

Sol: All the statements are true about utilitarian theory. It is the only theory that admits that there is always a minority that is affected a decision

13. Ans: (b)

14. Ans: (c)

Sol: Apply the basic guiding principles of the ethical theories. Key is to try with ethical relativism

15. Ans: (a)

Sol: Not signing is duty but not obligation. Obligations mayor may not be fulfilled. Statement (II) is false.

Work taken in any form that is equivalent to unethical or fraudulent practice is not correct. Statement (III) is false.

16. Ans: (c)

18. Ans: (b)

20. Ans: (d)

22. Ans: (c)

24. Ans: (b)

Sol: Right to development is a human right that is unalienable and employee cannot be denied it in the name of confidentiality.

25. Ans: (c)

26. Ans: (c)

Sol: On line Flesh trade or sew workers job is not illegal though it is unethical

27. Ans: (d)

29. Ans: (b)

17. Ans: (d)

19. Ans: (c)

21. Ans: (b)

23. Ans: (d)

28. Ans: (a)

30. Ans: (c)

Pre **GATE-2018**

COMPUTER BASED TEST

Date of Exam : 20th Jan 2018

Last Date To Apply : 05th Jan 2018



31. Ans: (c)

32. Ans: (b)

Sol: Legitimate power is by virtue of authority through eligibility for appointment in a position. It is the only form of power that is permanent.

Ex. Principal is a permanent post but persons may change.

Reward power is gained by resorting to giving benefits to subordinates in the form of gifts, promotions etc.

Expert power is gained by virtue of being recognized as expert by virtues of experience and expertise. It is also called as Charismatic Power.

Coercive power is gained by resorting to threatening and punishments in terms of suspension, stoppage of increments etc.

33. Ans: (a)

Sol: Ethical standards encourage risk taking innovations as per law.


34. Ans: (d)

Sol: The statement (a) implies how statistics can be used to evaluate and rank organizations and countries for ethical governance. Statement (b) explains on the different perspectives about corruption in the local context and global context.

35. Ans: (a)

Sol: None of the above are valid. Mathematical formulas cannot be taken protection under law since

- (i) It is thought that mathematics is the basis for any innovation.
- (ii) Trademark, the legal entity carries with it, trust of customers and public and hence trust cannot be traded for a commercial value
- (iii) Products which are found only in certain places have to be sold with the geographical indication only. Ex Assam Tea sold with tea gardens image from Assam only.




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★ HIGHLIGHTS ★

- Detailed solutions are available.
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36. Ans: (d)

Sol: First three options are related to political system or legislature. Public servants or Bureaucracy is concerned with following rules within the framework provided by legislature.

37. Ans: (b)

Sol: Only virtuous per person can always make right decisions without regard for consequences.
Only Option (b) is true.

38. Ans: (c)

39. Ans: (a)

Sol: Statement (II) establishes the need for ethical conduct by engineers by mentioning the limitations and scope of rules.

40. Ans: (d)

Sol: Engineers need skills also. Statement (I) is false.

41. Ans: (b)

Sol: Both statements are independently true. Statements emphasize the positive aspect of profession while Statement (II) mentions the risk of absolute autonomy.

42. Ans: (b)

43. Ans: (a)

Sol: Statement (II) form the basis for Statement (I).

44. Ans: (d)

Sol: Virtue ethics do not stipulate any rules for a person. Statement (I) is false.

45. Ans: (c)

Sol: Duty and rights theory are interrelated and further explanations of virtue theory at different times. Virtues of an individual are listed as duties and rights respectively in these two theories.



46. Ans: (b)

47. Ans: (c)

Sol: Cohesion, as per definition, improves mutual trust in an organization that in turn leads to integrity in conduct in each individual. This statement is true.

However, skills given in the second statement pertain to self-help skills where body is the instrument. Hence this statement is false.

48. Ans: (b)

Sol: Both the statements are independently true. Statement (I) describes the characteristics of

an ethical organization while statement (II) tells about how to run an organization through various forms of authority.

49. Ans: (c)

Sol: Statement (I) means thinking and doing with consistency. Hence it is correct.

Integrity implies doing things in a right manner. Emphasis is on doing but not on the rightness of task. Statement (II) is therefore false.

50. Ans: (a)

Sol: Statement (II) explains Statement (I) fully.

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3 CE ANKUR TRIPATHI	4 EC SONU SHARMA	4 EE SARFRAJ NAWAZ	4 CE CHIRAG MITTAL	4 ME GAUSH ALAM	4 IN MONTI	4 PI Sanghvi/Dr. Ashok	5 IN YRAJESH SHAH
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