**Possible questions on Engineering Professional Practices**

1. List the type of cultural, political and societal practices which motivate development of science and technology in a society.
2. List the type of cultural, political and societal practices which limit development of science and technology in a society.
3. What is the impact of development of ICT in social values?
4. What is the impact of computers in mechanized production, and how has it impacted society?
5. What should be the modality of the education and training of the technologists, scientists and engineers?
6. What specific type of training should the electronics engineers and/or electrical engineers be provided?
7. What are the essential elements of a professional person?
8. What are the characteristics of an ethical decision making?
9. Discuss Nepal Engineering Council’s code of ethics.
10. What should be the nature of the relationship between an engineer and a client?
11. What are the conditions necessary to prove professional negligence in engineering practice?
12. Discuss, with examples, three basic sources of liability of an engineer.
13. Discuss the objectives of tort liability.
14. Discuss the vicarious liability and partnership liability, with examples from electronics and/or electrical engineering applications.
15. Discuss, with an example, a case of moral dilemma when making ethical decisions.
16. Discuss the liabilities of an engineer in project design and project implementation.
17. Briefly discuss the code of ethics of Nepal Engineering Council.
18. Explain the code of ethics applicable to engineering profession.
19. What do you understand by the code of conduct? Describe the code of conduct for engineers.
20. How do you judge the ethical standard of Engineers in Nepal?
21. Describe the role of Nepal Engineering Council in maintaining ethical standard of Nepalese Engineers.
22. Differentiate between the NEA and NEC with suitable examples.
23. What are the meaningful roles of professional societies or associations? Why are they needed? Explain.
24. Explain roles of Engineering council and Nepal Engineers Association. In what regards, they are different?
25. What are the general job descriptions of engineers working in public sector?
26. Describe the basic duties of an engineer.
27. How does Nepal Engineering Council regulate professional engineering practices in Nepal?
28. Discuss the process of registration of an engineer at NEC and conditions for cancellation of registration.
29. What are the employment and job security provisions for the workers, as per the Labor Act of Nepal?
30. What are the health and safety provisions for the workers, as per the Labor Act of Nepal?
31. What are the welfare provisions for the workers, as per the Labor Act of Nepal?
32. Discuss the essential elements of a valid contract.
33. What are the differences between a void and a voidable contract?
34. What is the basic objective of the Public Procurement Act of Nepal?
35. What are the basic provisions in procurement of consultancy services by a public entity in Nepal?
36. Discuss the importance of the intellectual property right in the development of science and technology of a society.
37. Compare and contrast copy right, patent right, design right and trademark right, as per the laws of Nepal.
38. Discuss the process of a private company registration in Nepal, including the types of documents required.
39. Define conflict and explain the sources (causes) of conflict.
40. Discuss different levels of conflict.
41. Discuss different methods of conflict resolution.
42. Differentiate between conflict and dispute.
43. What are the major sources of dispute in an infrastructure development related construction project in (a) a remote area of Nepal, and (b) in urban areas?
44. Discuss the potential sources of conflict in (a) a high dam hydropower project, (b) fast tract highway, (c) broad gauge railway through mid-hills of Nepal, (d) international airport in Nijgadh, (e) multi-purpose water resources development project, (f) land pooling project for planned city development
45. Discuss conflict management.
46. What is tender? What is a security deposit? What is bid validity?
47. What is the procedure of tender? List the essential information to be incorporated in the tender.
48. Differentiate between the bid security and performance security.
49. Define tort and negligence. Differentiate tort liabilities and vicarious liabilities.
50. Define society. What are the factors causing social change? Discuss briefly on conflict theories of social change.
51. Illustrate the characteristics of society, Write briefly the theories of the origin of society.
52. Role of engineers to transfer societies.
53. What are the fundamental of ethics? What is code of conduct of professional engineer set by Nepal engineering council?
54. What is meant by moral and ethical? Write down the code of conduct to be followed by engineers.
55. What is technology and social change? What are the factors governing social change?
56. What are the factors affecting the morale of professional engineer? Describe in brief to justify and satisfy yourself in the context of Nepal, to have and maintain the professional and moral ethics.
57. Differentiate between public limited company and private limited company.
58. What kind of liability that engineers most suffer from? Explain.
59. How do you mean by moral dilemma? Explain various ways to overcome dilemmas.
60. Explain the Intellectual property and also explain the procedure of registration of copy right.
61. How the PPP models help in any development activities? What is its significance in a developing country like Nepal?
62. Explain the contemporary issues in Civil engineering.
63. Describe Eternal Law, Universalism, utilitarianism, distributive justice theory in making right decision.
64. What are the main features of bidding and contract documents? Elaborate systematically
65. Discuss the characteristic of a limited company .
66. What are the characteristics of a public limited company?
67. What are the main features of a profession? “Do you think the morale of the professional will become low if they are paid inadequate salary? Explain
68. How do you define moral and non-moral actions?.
69. What is the role of transportation facility to improve the economic condition of the rural people of Nepal? Explain with the help of suitable example.