



Course Name: Ethics in Engineering Practice

Assignment - Week 6

TYPE OF QUESTION: MCQ/MSQ

Number of questions: 10

Total marks: 10 X 1 = 10

QUESTION 1:

There are accepted principles in resolving conflict. Identify the erroneous statement(s) from options given below.

- a) It is not possible to distinguish between the problem and people.
- b) There should be some subjective criteria to compare outcomes
- c) One should focus on the most conspicuous option rather than scattering attention to alternative options.
- d) **All of the above**

Correct Answer: d

All of the above

Detailed Answer:

Four widely accepted principles for conflict resolution

People: Separate the people from the problem

Interests: Focus on interests not positions

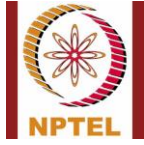
Options: Generate a variety of possibilities

Criteria: Insist that results be based on some standard criteria.

QUESTION 2:

After a car accident, the negligent party's insurer must compensate victims for the costs associated with injuries and property damage. Deciphering who is at fault after a car accident can be difficult. Especially, when a third party (say a bystander) helping the party at fault by giving wrong testimony. This is a case of

- a) Actor-observer bias
- b) Self-serving bias
- c) **Hired guns**



d) None of the above

Correct Answer: c

Hired guns

Detailed Answer: This relates to helping the party at fault by giving wrong testimony. More specifically, an expert with a bias or who adapts his or her expert evidence to the requirements of the party that calls him/her as a witness.

QUESTION 3:

Nita is a research assistant at MBS College of Management. She helped Dr. Dhiman in collecting data from the artisan's community located within the city. As she speaks the local language, got familiar with the subjects and it eased the data collection process. Dr. Dhiman is writing a paper on the artisan's community. For him, Nita did not qualify as an author. According to IEEE guidelines his decision is correct.

a) True

b) False

Correct Answer: a

True

Detailed Answer: As per IEEE, authorship should be only be credited when a person has made a significant intellectual contribution with respect to theoretical development, system or experiment design, prototype development, or analysis of associated work of what is contained in the manuscript, contributed to drafting or reviewing or revising of the manuscript, approved the final version of the manuscript.

QUESTION 4:

Ethical climate may be defined as (identify the wrong option)

- a) A set of shared perceptions of procedures and policies, both codified and informal, which shape expectations for ethical behavior within an organization or a company.
- b) The context in which ethical behavior and decision-making occurs.



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- c) Engineers as managers assume greater responsibility in creation of ethical climates.
- d) An attitude that triggers range of counterproductive behaviors including tardiness or absenteeism among its members.

Correct Answer: d

An attitude that triggers range of counterproductive behaviors including tardiness or absenteeism among its members.

Detailed Answer: The ethical organizational climate often prevents counter-productive behavior among its members. So option d is wrong.

QUESTION 5:

From the statements given below (1 to 6), identify the erroneous statement (s) regarding the features of moral leaders.

S1- The moral leader perceives business to be in the foreground and ethics in the background.

S2-Moral leaders have a strong ethical character. They demonstrate humility. Ask for—and listen to—tough feedback.

S3-Moral leaders will not give any opportunity to question their decision and use excessive discipline.

S4-Moral leaders are morally proactive.

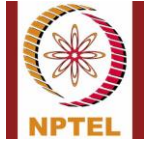
S5-Moral leaders are stakeholder exclusive. They think only in terms of transactions with economic-oriented stakeholders (suppliers, employees, owners, consumers, financiers) and exclude latent stakeholders while making decisions.

S6-Moral leaders have an obsession with fairness. They act with courage. Take a stand on a moral issue, even if it's unrelated to your direct business objectives or might entail personal risk.

- a) Statements 2 and 6 are erroneous
- b) Statements 4, 2 and 6 are erroneous
- c) Statement 1, 3 and 5 are erroneous
- d) Statements 4 and 5 are erroneous

Correct Answer: c

Statement 1, 3 and 5 are erroneous



Detailed Answer: S3 does not depict moral leaders. S5 - Moral leaders are stakeholder inclusive. So S3 and S5 are erroneous. Moral leaders are always anticipating, predicting, and proacting. One way in which moral leaders are able to proact is through background-foreground shifting. The amoral leader perceives business to be in the foreground and ethics in the background. The moral leader shifts this arrangement and sees moral issues in the foreground and business in the background.

QUESTION 6:

The statements below delineate Technical qualifications for plagiarism according to the Institute of Electrical and Electronics Engineers (identify the statement that is not plagiarism)

- a) Uncredited verbatim copying of a major portion (more than 50%) within a single paper-- an instance is where a large section of the original paper is copied without quotation marks, credit notice, reference, and bibliography.
- b) Uncredited verbatim copying of individual elements (paragraph(s), sentence(s), illustration(s), etc.) resulting in a significant portion (up to 20%) within a paper- an instance could be where portions of original paper are used in another paper without quotation marks, credit notice, reference, and bibliography.
- c) While paraphrasing crediting the original author correctly using an in-text citation or and include the full source in the reference list.
- d) Credited verbatim copying of a major portion of a paper without clear delineation. Instances could include sections of an original paper copied from another paper; credit notice is used but absence of quotation marks

Correct Answer: c

While paraphrasing crediting the original author correctly using an in-text citation or and include the full source in the reference list.

Detailed Answer: Plagiarism is the unethical practice of using words or ideas (either planned or accidental) of another author/researcher or your own previous works without proper acknowledgment. There are in fact degrees of plagiarism: one can steal an entire paper, or a section of a paper, or a page, a paragraph or a sentence. Even copying phrases without credit and quotation marks can be considered plagiarism. In other words, paraphrasing done improperly can qualify as plagiarism. To avoid plagiarism one should maintain records of the sources one is referring to. Option C is not plagiarism.



QUESTION 7:

Ethical principle for engineers can be broadly categorised as

- a) Individual, Micro and professional level
- b) Individual, Professional and social level
- c) Macro, ethics in engineering, ethics of engineering
- d) Technical, macro and global level

Correct Answer: b

Detailed Answer: A number of authors have suggested that engineering ethics encompasses multiple domains. The ethicist John Ladd subdivides engineering ethics into “micro-ethics” or “macro-ethics” depending on whether the focus is on relationships between individual engineers and their clients, colleagues and employers, or on the collective social responsibility of the profession. McLean, an engineer, utilizes three categories in discussing engineering ethics: technical ethics, dealing with technical decisions by engineers; professional ethics, dealing with interactions among managers, engineers and employers; and social ethics, dealing with socio-political decisions concerning technology. Three frames of reference are apparent: individual, professional and social.

QUESTION 8:



A. Engineers as managers must tackle-	I] integrity strategy, integrate ethics issues & management issues.
B. Corresponding author	II] He/She is the one who carries out the research as well as writes and edits the manuscript.
C. Moral leaders are involved with	III] How are recycling of valuable materials and disposal of toxic wastes handled at the end of useful life?
D. First author	IV] He/she is the person who handles the manuscript and communication during the publication process, including approving the article proofs.

- a) A-III,B-IV, C- I, D-II
b) A-II,B-I, C- IV, D-III
c) A-IV,B-III, C- II, D-I
d) None of these

Correct Answer: a

Detailed Answer: Engineers as managers must tackle- How are recycling of valuable materials and disposal of toxic wastes handled at the end of useful life?

Corresponding author He/she is the person who handles the manuscript and correspondence during the publication process, including approving the article proofs.

Moral leaders are involved with integrity strategy, integrate ethics issues & management issues.

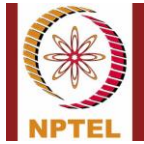
First author He/She is the one who carries out the research as well as writes and edits the manuscript.

QUESTION 9:

The following two examples depict -----

- Exaggerating product size so it appears bigger.
- Misreporting the geographic source of a product or its ingredients

- a) Social Media Advertising.
b) Paid Search Advertising



- c) Podcast Advertising
- d) Deceptive Advertising

Correct Answer: d

Detailed Answer:

The examples depict making false suggestions which is deceptive advertising.

QUESTION 10:

Dr Martinez in the inaugural speech mentioned

"From a young age, my parents impressed on me the values that you work hard for what you want in life, that your word is your bond and you do what you say and keep your promise, that you treat people with respect" (2016).

Ms Wright on a similar occasion mentioned *"We were raised with so many of the same values: that you work hard for what you want in life; that your word is your bond and you do what you say you're going to do; that you treat people with dignity and respect, even if you don't know them, and even if you don't agree with them" (2008).*

The speech of Dr Martinez found to be -----.

- a) Euphemism
- b) Original
- c) Neologism
- d) Plagiarised

Correct Answer: d

Detailed Answer: Dr Martinez's speech came 8 years later than that of Ms Wright. And it conveys the idea of Ms Wright with no acknowledgement so it is plagiarized. There is no newly coined word or euphemism which refers to those words or a phrase that can be used to convey something unpleasant.

*****END*****
