

**Name:**

For all questions, the correct answer is the one that most closely follows the content in lecture.

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- 1. Which of the following companies is not currently facing an antitrust lawsuit?**
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- 2. What role do dependent claims play in a patent?**
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- 3. What is a primary reason some people object to joint and several liability under Superfund law?**
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- 4. What is the connection between WWII electronics innovations and a Picasso painting at the Cleveland Museum of Art?**
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- 5. What distinguishes professional engineering codes of ethics as deontological in nature?**
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- 6. Which of the following investment strategies would lead to the most money upon retirement at age 65, assuming a 10% annual rate of return?**
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- 7. Why might technologies like dams or canals be considered to “have politics”?**
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- 8. Why was distillation a key process in the early oil industry?**
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- 9. The 1969 Cuyahoga River fire became a national symbol of environmental neglect. Why was this fire particularly impactful?**
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- 10. Which of the following would most likely fail the enablement requirement?**
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- 11. Which of the following best describe the Soviet Union policies and their consequences relating to cotton agriculture in Turkmenistan?**
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- 12. What is the recommended action engineers should take if asked by an employer to engage in conduct they believe may be unethical?**
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- 13. Which of the following describes a passive safety control?**
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- 14. What legal outcome results from a trademark becoming a generic term due to public use?**
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- 15. When considering ethical issues in terms of factual, conceptual and moral issues, which of the following best represents a conceptual issue in the vaccine mandate debate?**
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- 16. What ethical question did Carl Stokes raise regarding environmental concerns?**
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- 17. According to Kantian ethics, what makes an action morally right?**
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18. Which of the following scenarios best exemplifies "imperious immediacy of interest" in ethical decision-making related to technology?

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19. Which of the following statements best describes the nature of a U.S. patent holder's rights?

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20. In considering legal and engineering professional ethics, which of the following is true?

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21. Why is sugar dust classified as a hazardous material in industrial settings?

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22. The concept of normalization of deviance in safety culture refers to:

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23. How could a U.S.-based company legally use a patented catalyst without a license and sell products in the U.S.?

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24. Why did the Bhopal MIC disaster occur even though safety systems were installed?

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25. Why is carbon dioxide considered a hazardous gas?

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26. What does the 1-year grace period in 35 USC §102(b)(1) allow?

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27. What characteristic of hexavalent chromium makes it both industrially useful and environmentally dangerous?

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28. Why did some local groups oppose the Opportunity Corridor project in Cleveland?

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29. The concept of inherently safe design can include:

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30. What was Rockefeller's ethical defense for securing preferential railroad rebates?

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31. The concept of "technologies having politics" suggests:

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32. In the context of the Aral Sea crisis, which ethical framework and reasoning could be used to argue against the action of diverting water for cotton farming?

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33. Which action *would not* invalidate a patent under the on-sale bar, if it occurred more

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34. Which of the following exemplifies a failure in regard to management of change review?

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35. What potential ethical downside of government responsiveness to community outcry was addressed in this course?

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36. What was the primary justification Western Union used to defend its monopoly?

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37. Who is legally recognized as an inventor for the purposes of obtaining a patent?

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**38. According to Diane Vaughan's analysis of the Challenger disaster, what was the primary organizational failure?**

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**39. Which ethical framework is most clearly invoked by those who argue that people should not be displaced from homes even to build safer roads that save lives?**

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**40. Why were Standard Oil's railroad rebates considered unethical by critics?**

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**41. What was a major limitation of using nuisance lawsuits to control water pollution prior to the 1972 Clean Water Act?**

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**42. How did the Moses overpass story exemplify the danger of relying on single-source factual claims?**

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**43. Which philosophical position might argue that AI systems inherently embody social values?**

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**44. According to 17 U.S.C. §107, which of the following does not favor a fair use defense?**

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**45. What is the Golden Mean, as proposed by Aristotle?**

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**46. According to the Clean Water Act, what enables a facility to legally discharge pollutants into navigable waters?**

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**47. Under copyright law, which of the following would not be eligible for protection?**

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**48. Which of the following would deontologists most likely reject as a justification for action?**

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**49. Which of the following best illustrates a complex international ethical issue raised by the Bhopal incident?**

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**50. An engineer receives an invitation for an all-expenses-paid trip to an overseas conference from a vendor they recently recommended to their company. The company accepted the recommendation and it now uses the services of this vendor. What is the most ethical course of action?**