1. An artist paints unpatriotic graffiti on the side of a building. The owner of the building has it removed, because he doesn’t want others to be exposed to anti-American ideas. Under the definition given in class, does this constitute censorship?

2. Which of the following is the name of the Nazi forced euthanasia program which lead to the development of technologies eventually used in the Holocaust?

3. Even when its designers have the best of intentions, a machine learning algorithm can pick up on surrogate features for race or gender and learn human biases from training data. What do we call this?

4. Which of the following is a phrase used by the United States Supreme Court to describe speech that is not protected by the First Amendment?

5. The store name “Target” is protected by which of the following intellectual property schemes?

6. You are alone in your dorm room. Your room mate enters the room. Which kind of privacy have you lost?

7. The ACM Code of Ethics states, “Access computing and communication resources only when authorized to do so.” This rule promotes which of the following principles?

8. In class, we discussed a hypothetical anti-virus program with a very high accuracy. Despite this fact, when the anti-virus issued an alert, the odds were quite low that the virus was actually present. What is this an example of?

9. The store name “Walmart” is protected by which of the following intellectual property schemes?

10. Dave works for a company that charges twice what the competition does for similar services. He talked to his supervisor, Janice, about the fact that he believes this is unethical, but she disagreed. Dave has collected extensive internal documentation about this practice and is prepared to go public. According to De George, Dave is...

11. Which of the following intellectual property schemes could be used to protect a novel?

12. Which of the following are characteristics of a professional?

13. “Illinois CS students should strive to protect sensitive user data.” What kind of statement is this?

14. Which of the following is not on the Creative Commons “Menu”? 
15. The famous Coco-Cola company protects its secret soda formula under which of the following intellectual property schemes?

16. Which of the following security objectives is concerned with preventing unauthorized access to systems and data?

17. An artist paints unpatriotic graffiti on the side of a building. The owner of the building has it removed, because he doesn’t want others to be exposed to anti-American ideas. Under our definition, does this constitute censorship?

18. The “third party doctrine” could apply to your email password if you...

19. After his father was murdered, Black Panther initially sought vengeance. Later, he decided that he did not want to be ruled by anger. Instead, he tried to be like his father, who he admired. Black Panther now strives to be just, kind, and honorable. What ethical theory is Black Panther following?

20. What do we call the philosophical stance that morality is a private individual choice? Based on Gert’s definition of morality, this is an oxymoron.

21. Fining a company that publishes profanity is an example of which of the following?

22. Which of the following intellectual property schemes has been abused lately by “rent seeking” behavior?

23. Which of the following technology companies used short-selling to profit from vulnerabilities they discovered in implantable medical devices?

24. Which of the following ethical theories would say that, even though enslaving a small portion of the population might make everyone else happy in a particular situation, enslaving people is wrong because in general it does not lead to the greatest happiness?

25. Which of the following is an example of a false dilemma?

26. “It is immoral that the number of people murdered in the U.S. in 2013 was 14,196.” What kind of statement is this?

27. In class, we discussed a hypothetical facial recognition technology that was used to identify a suspect. The odds of a random match were extremely low, but we searched a very large database. If we only report the low odds of a random match, what intellectually dishonest practice are we guilty of?

28. When does a sound argument contains all true premises?
29. According to U.S. patent law, which of the following is one of the three criteria that an invention must satisfy for a patent application to be approved?

30. Which of the following intellectual property schemes could be used to protect an idea for an indefinite period of time?

31. Software engineers are designing the AI for a self-driving vehicle. While testing the vehicle under controlled conditions, the car is forced to choose between killing its passenger or killing three teenagers skateboarding in the road. Under which of the following circumstances is the AI exhibiting utilitarian ethics?

32. What do we call our tendency to search for, interpret, and recall information that confirms our beliefs while ignoring the rest?

33. What is the first step in deanonymization, the process of deriving PII from anonymous data?

34. You and your friend Luke are standing in line at the Einstein’s Bagels. All of a sudden, the Joker appears in the atrium and demands two hostages (out of the 300 people in the building) – otherwise, he says he will blow up the building. Luke pushes the two people in front of him towards the Joker. The Joker leaves the building with the two unfortunate hostages. Luke’s actions were moral under the premises of which ethical theory?

35. What do we call our tendency to believe that people ultimately deserve the things that happen to them?

36. The name of the famous shoe brand “Nike” is protected by which of the following intellectual property schemes?

37. According to Lawrence Lessig, what do we call the collection of shared ideas belonging to the public?

38. Which definition of privacy protects freedom of conscience?

39. Which of the following would most likely be considered “fair use”?

40. Which of the following is the name of an early information technology that used punch cards to store and tabulate data?

41. In class, we discussed a machine learning algorithm that was trained to distinguish between wolves and dogs. It was fooled by snow in the background. What is this an example of?

42. Jim and Beth are having an argument about the best movie. Jim argues that “The Shawshank Redemption” is the best, because it has the best cast, director, editor, and screenplay. What logical fallacy is Jim making?
43. A hacker working for a national government shuts down the power grid of an opposing nation state. Which of the following is she engaged in?

44. Make a brief but strong argument in the space below that pirating software is unethical from a consequence-based perspective.

45. What do we call the phenomenon where people assume the probability of a random match is equal to the probability of innocence? In other words, they assume $p(\text{match}|\text{innocent}) = p(\text{innocent}|\text{match})$.

46. Which of these philosophers is associated with contract-based ethics?

47. Which of the following is an example of an ad hominem?

48. Which of the following security objectives is concerned with ensuring timely and reliable responses from services?

49. “Doughnuts obviously taste like rubber, because they’re shaped like tires.” What kind of logical fallacy is this?

50. According to De George’s criteria, which of the following is an additional condition for being morally obligated (not just morally permitted) to blow the whistle?

51. The current FCC chairman, Ajit Pai, is considering rolling back Obama-era FCC regulation of ISPs intended to enforce a concept first articulated by Tim Wu. What is the name of this concept?

52. Which of the following is the U.S. law that famously criminalized the circumvention of DRM?

53. Jim and Beth are having an argument about the best movie. Beth argues that “Alien” is the best, because it scared her. Jim says she is wrong, because she is appealing to emotion. What logical fallacy is Jim making?

54. When we say a person is a “utilitarian”, to what ethical theory do they subscribe?

55. Which of the following intellectual property schemes typically involves employees signing NDAs?

56. When we say a person is a “Aristotelian”, to what ethical theory do they subscribe?

57. Who said “I don’t know why they came with their guns drawn.”

58. When does a sound argument contain all true premises?

59. Jim and Beth meet seemingly for the first time, but Beth has a strange feeling they have met before. When Jim disagrees, Beth replies, “You can’t prove we haven’t met before. Maybe we have. You never know.” What logical fallacy is Beth making?
60. Which of the following philosophies is rooted in the idea that intellectual property should be protected because the creator is entitled to the benefits of their work.

61. “You say you don’t believe magic beans can cure cancer. Basically, you’re saying a cure for cancer is impossible.” What kind of logical fallacy is this?

62. What do we call the social media phenomenon that causes users to become fractured into opposed and extreme views?

63. In discussion, we took implicit association tests and discussed the results. Which of the following do the majority of people who took these tests associate more with “male” rather than “female”?

64. Everyone loves Puccini’s special pepperoni pizza, but in their recent viral marketing campaign, they included a song by the indie rock band “Inigo and the Montoyas” without permission or attribution. What intellectual property protection scheme is Puccini’s violating?

65. “If we let him eat just one doughnut, we’ll have to let him eat the whole box.” What kind of logical fallacy is this?

66. “Cyberbullying and trolling are unethical. While they might at first seem like a fun diversion, the abusers are using humans as a means to an end. Ultimately, humiliating people for entertainment violates moral rules.” What ethical theory is being employed in this argument?

67. Which of these terms means “having a right to privacy”?

68. What do we call the descriptive proposition that cultures have different beliefs about what is moral and immoral?

69. Which of the following is not required of a moral system?

70. Which of the following cybersecurity terms refers to the things we want to protect?

71. You and a friend go into a grocery store. While you debate which bag of pita chips to buy, several armed robbers enter the store and hold everyone hostage while they steal exactly 22 bags of pita chips. Heroically, you shout, “Stop, thieves! You have to pay for those!” One of the burglars responds, “We don’t have to pay as long as we’re even with the store. Because we took 22 bags of chips and not 21 or 23, we’re even.” What logical fallacy is she appealing to?

72. A hacker turns all of the traffic lights green in a major city, intending to cause widespread automobile collisions. Which of the following is she engaged in?
73. According to De George’s criteria, which of the following is a condition for being morally permitted (but not obligated) to blow the whistle?

74. A hacker floods an online poll to skew the results in favor of a political issue. When caught, she accepts full responsibility for her actions. Which of the following is she engaged in?

75. When does a valid argument contain all true premises?

76. In which of the following practices is implicit personal data discovered?

77. What do we call data used to uniquely identify a person (e.g. their SSN or fingerprint?)

78. Which of the following intellectual property schemes would be used to protect a novel?

79. When a fixed copy of a work is purchased, what grants the buyer the freedom to give the fixed copy to a friend without the author’s permission?

80. What kinds of arguments are considered strong?

81. “Round things are like balls. They roll and bounce. The Earth doesn’t bounce or roll, so it must be flat.” What kind of logical fallacy is this?

82. George confronts a fellow database administrator who was downloading customer account information and placing it into a personal file for suspect purposes. “You should not do this. You would not want someone to steal from you. You should treat our customers the same way you want to be treated. Stealing is wrong.” What ethical theory is George appealing to?

83. Which of these philosophers is associated with character-based ethics?

84. What is another name for a “white hat” or “pentester”?

85. Morally, what would we consider a person giving all of their money to charity?

86. Daredevil and the Punisher stand on a rooftop in Hell’s Kitchen. Daredevil tries to convince the Punisher to stop his city-wide killing spree. The Punisher says that killing a few bad people is the right thing to do as long as it prevents criminals from hurting innocent citizens. The Punisher’s argument comes from which ethical theory?

87. Cass Sunstein famously made an argument about the impact of internet filtering on democracy. Did he believe it supported or undermined democracy?

88. The ACM Code of Ethics states, “Access computing and communication resources only when authorized to do so.” This rule explicitly promotes which of the following principles?
89. What do we call the descriptive proposition that cultures have different beliefs about what is moral and immoral?

90. Which definition of privacy means “freedom from physical intrusion”?

91. A motorcycle safety advocacy group wants more riders to wear helmets. They work to produce technology that prevents motorcycles from starting when the diver is not wearing a helmet. Which of Lessig’s four modes of regulation best describes their regulatory approach?

92. “The Earth is flat, because the Bible says that the Earth is flat.” What kind of logical fallacy is this?

93. Two researchers are examining the moral issues surrounding cybercrime. One of them writes a paper stating that Fortune 500 companies should protect the personal data of their customers. Her study is essentially _______ in nature.

94. Most of the people in the world had become regular Internet users by the year 2010. True or false?

95. “These magic beans must cause weight loss. Even Beyonce thinks we should eat them!” What kind of logical fallacy is this?

96. Jim tells Beth that she should wear her seatbelt, because it will keep her safe. Beth responds, “You’re only telling me to wear my seatbelt because you’re a control freak.”. What logical fallacy is Beth making?

97. Your friend says, “Pirating music is wrong, because you are stealing from hard working artists. They have a right to benefit from their efforts.” What philosophy of intellectual property is she using?

98. Jim and Beth are having an argument about the best movie. Jim argues that “The Shawshank Redemption” is the best, because it has the best cast, director, and screenplay. What logical fallacy is Jim making?

99. “The Earth’s surface is flat. The top level is obviously smooth and level. Furthermore, we can see that it is not round.” What kind of logical fallacy is this?

100. Which of the following security objectives is concerned with preventing unauthorized access?

101. Though it was an accident, the Deepwater Horizon oil spill caused wide spread ecological and economic damage. Leadership at BP bear moral responsibility because they...

102. “Distributing copyrighted material robs the creator of wealth, which discourages artists from creating more works for the public to enjoy. Distributing copyrighted works is therefore unethical.” What ethical theory is being employed in this argument?
103. A server hosting a popular blog crashes due to a faulty disk drive. The files cannot be recovered, so the blog contents are lost forever. Under definition given in class, does this constitute censorship?

104. If we argue that privacy is a “means to an end,” we are arguing it has what kind of value?

105. “I shouldn’t have to wear a seatbelt. I’ve survived tours in Iraq and Afghanistan.” What kind of logical fallacy is this?

106. Your friend says, “It is immoral to plagiarize from this author’s novel, because you’re robbing her of her experiences.” What philosophy of intellectual property is he appealing to?

107. “Cheating is wrong, so no one is going to try and cheat on this test” is an example of what logical fallacy?

108. Two researchers discuss whether or not it is ethical to collect the names of subjects in a psychological study. What are they wrestling with?

109. What do we call the situation where technological development causes confusion between previously distinct ideas?

110. “You say I should wear my seatbelt because it will protect me in an accident, but you’re only telling me to wear my seatbelt because you want to control me.” What kind of logical fallacy is this?

111. Philosopher Karl Popper made an argument that unlimited _____ would lead to the disappearance of _____.

112. ”You only support Open Source because you’re cheap” is an example of what logical fallacy?

113. In the space provided below, answer the following essay question. You will be graded on your logic, clarity, and understanding of course concepts. Do not write more than 1-2 paragraphs. We’ll take off points if you ramble. If we cannot read or understand your essay, you will not receive credit.

114. Jim and Beth are having an argument about pirating music. Jim argues that no one will pirate music, since it is immoral, and that the music industry therefore shouldn’t worry about it. What logical fallacy is Jim making?

115. Which of the following exemptions from copyright law gives creators the right (under certain circumstances) to produce content derived from another creator’s content?

116. Which of the following is not part of the identify step of Tavani’s “Comprehensive Strategy for Approaching Cyberethics Issues”?

117. The CFAA allows for victims of cybercrime to sue the perpetrator.
118. A professor asks a student in class to reveal their private email password. What has the professor breached?

119. Morally, what would we consider risking your own life to save another person?

120. Which of the following potential challenges of social media did we discuss in class?

121. A developer is professionally answerable for the security of an application her company produces. She identifies a vulnerability in the application and issues a patch. Which of the following terms best describes this situation?

122. What do we call data that must be protected because it is owned by a private party?

123. What do we call the normative stance that we should not morally evaluate the ethical behavior of a person from another culture?

124. The DMCA is an example of which of Lessig’s Four Modes of Regulation?

125. A company developed a software package with an unexpected side effect. The company was sued in court and paid damages, but did not admit fault. Which of the following terms best describes this situation?

126. As a class activity, we took implicit association tests. Which of the following do the majority of people who took these tests associate more with “male” rather than “female”?

127. Which definition of privacy protects against unwarranted search and seizure?

128. “These magic beans are healthy. They contain no artificial ingredients!” What kind of logical fallacy is this?

129. Which of the following intellectual property schemes can be used to protect databases that “exhibit authorship”?

130. The Coco-Cola company protects its proprietary soda formula under which of the following intellectual property schemes?

131. An engineer who is morally permitted to blow the whistle is also morally obligated to blow the whistle. Always, sometimes or never?

132. Jim and Beth meet seemingly for the first time, but Beth has a strange feeling they have met before. When Jim disagrees, Beth replies, “You can’t prove we haven’t met before.” What logical fallacy is Beth making?

133. An artist paints unpatriotic graffiti on the side of a building. The owner of the building has it removed, because he doesn’t want others to be exposed to anti-American ideas. Under definition given in class, does this constitute censorship?
134. You and a friend go into a grocery store. While you debate which bag of pita chips to buy, several armed robbers enter the store and hold everyone hostage while they steal money from the registers. One of them barks orders to you, and you respond by saying that he should be careful because you’re an undercover FBI agent. When he exhibits skepticism, you respond, “Well, you can’t prove I’m not an FBI agent.” What logical fallacy are you appealing to?

135. “You should buy my magic coffee beans. After eating three of them, my friend lost 10 pounds.” What kind of logical fallacy is this?

136. Two researchers are examining the moral issues surrounding cybercrime. One of them writes a paper stating that Fortune 500 companies don’t protect the personal data of their customers. Her study is essentially _____ in nature.

137. A user posts a PDF of a novel on Reddit. The author of the novel issues a DMCA takedown notice, and the PDF is removed. Under definition given in class, does this constitute censorship?

138. Which of the following is an example of a straw man argument?

139. What do we call data describing other data (e.g. data describing where and when a photograph was taken.)

140. Jim tells Beth that she should wear her seatbelt, because it will keep her safe. Beth responds, “You didn’t wear your seatbelt last week. Why should I?” What logical fallacy is Beth making?

141. Which of the following intellectual property schemes could be used to protect a chemical formula for hundreds of years?

142. In which of these decades was the proportion of men and women graduating with computer science degrees nearest to equal (i.e. closest to half women and half men.)

143. When we question whether personal information should be transferred from its original context, what are we talking about?

144. Which of the following security objectives is concerned with trust and verification of data?

145. “After eating three magic beans, I lost over 10 pounds. They must cause weight loss!” What kind of logical fallacy is this?

146. Which of the following is an example of a slippery slope fallacy?

147. “Distributing copyrighted works is a form of stealing. Stealing is wrong, because it violates moral responsibilities which I believe to be universal. We should not engage in cyberpiracy.” What ethical theory is being employed in this argument?
“Stripping someone else of their privacy to protect myself is using that person as a means to an end. We have a moral duty to protect and respect the privacy of others.” What kind of ethical reasoning is being employed in this argument?

The practice of data surveillance potentially violates which of the following?

“People born in July are exceptionally bad drivers. I suspected this might be the case, so I looked at the data and found they are responsible for 1 in 12 traffic accidents!” What kind of logical fallacy is this?

As you are typing your PIN into an ATM, someone behind you watches you enter the numbers. Which kind of privacy have they violated?

A hacker working for a national government shuts down the power grid of an enemy nation. Which of the following is she engaged in?

Your friend says, “It is theft to plagiarize from this author’s novel, because you’re reaping the benefits of his efforts.” What philosophy of intellectual property is she appealing to?

What kinds of arguments are considered weak?

“You doubt my magic coffee beans cure diseases. You say you don’t understand how they could possibly work. Well, you don’t understand how vaccines work, but you still believe vaccines cure diseases.” What kind of logical fallacy is this?

Jim and Beth are having an argument about pirating music. Jim argues that piracy is immoral, but it is ethical for him to do it because he is a musician. What logical fallacy is Jim making?

Which of the following is an example of a moral agent?

Jessie and her son are walking down the street one day, eating ice cream, and come across a man begging for change. They boy stops and tries to give his ice cream to the man. “Come on, Billy,” Jessie says, pulling her son away, “There’s no point in helping that man, he must have done something to get himself into that position.” What cognitive bias is Jessie most likely exhibiting?

What is not a step in deanonymization, the process of deriving PII from anonymous data?

What do we call giving a sponsored message the appearance of a grassroots movement?

What is the definition of a logical argument?
162. “Stripping someone else of their privacy to protect myself is using that person as a means to an end. We have a moral duty to protect and respect the privacy of others, so violating a person’s privacy is unethical.” What kind of ethical reasoning is being employed in this argument?

163. As we discussed in class, why is the software on John Deere tractors upsetting some farmers?

164. If we argue that privacy is important for trust and friendship, we are arguing it has what kind of value?

165. “Thomas Jefferson was a slave owner, so his ideas about democracy are flawed.” What kind of logical fallacy is this?

166. Which of the following organizations, founded by Richard Stallman, rejects all notions of proprietary software?

167. What do we call the normative stance that we should not morally evaluate the ethical behavior of a person from another culture?

168. Burning a book is an example of which of the following?

169. What do we call the philosophical stance that there is one and only one correct answer to every ethical dilemma?

170. You and your friend Luke are standing in line at the Einstein’s Bagels kiosk. All of a sudden, the Joker appears in the atrium and demands two hostages (out of the 300 people in the building) – otherwise, he says he will blow up the building. You and Luke refuse to offer any hostages, acting on the rule that human lives should never be treated as a means to an end. Your actions were moral under the premises of which ethical theory?

171. “You say I should wear my seatbelt because it will protect me in an accident, but you’re only telling me to wear my seatbelt because you’re a control freak.” What kind of logical fallacy is this?

172. Which of the following is true of the programmers of the ENIAC, the first electronic general purpose computer?

173. “You shouldn’t wear your seatbelt. While most data shows they prevent injuries, seatbelts sometimes trap people in their cars.” What kind of logical fallacy is this?

174. Jim and Beth are having an argument about pirating music. Jim argues that the files have already been uploaded. “The harm has already been done. If I don’t download the music, someone else will.” What logical fallacy is Jim making?

175. A professor sends a student’s grades to Google. What has the professor breached?
176. Jeff works for a company that writes software to control autonomous cars. In emergency situations, a bug in the software causes vehicles to accelerate out of control. Jeff has talked to his supervisor about the issue and has exhausted all internal procedures. Jeff has no documentation, but he thinks his inside information could be useful to several journalists who have written about the issue. According to De George, Jeff is...

177. What do we call our tendency to search for, interpret, and recall information that supports our beliefs while ignoring the rest?

178. According to U.S. census data, access to information technology is correlated with which of the following?

179. You and your friend Luke are standing in line at the Einstein’s Bagels. All of a sudden, the Joker appears in the atrium and demands two hostages (out of the 300 people in the building) – otherwise, he says he will blow up the building. Luke pushes two people in front of him towards the Joker, saying that it’s better that 2 people die than all 300. Luke’s actions were justified under the premises of which ethical theory?

180. What do we call our tendency to explain other people’s behavior by their internal attributes while ignoring external factors?

181. As you type a text message to a friend, someone watches you over your shoulder. Which kind of privacy have they violated?

182. Which of the following is part of the deliberate step of Tavani’s “Comprehensive Strategy for Approaching Cyberethics Issues”?

183. A hacker floods an online poll to skew the results in favor of a political issue. Which of the following is she engaged in?

184. What do we call our tendency to accept positive feedback as deserved while rejecting negative feedback as invalid?

185. What do we call the situation that arises when a technology creates non-obvious ethical concerns?

186. Which of the following is the name given to a telegram decoded in Bletchley Park that contained information about the Holocaust?

187. Under which philosophical theory of ethics is intellectual property considered an artificial right?

188. Which of these philosophers is associated with utilitarianism?

189. Which of the following is not a part of the ACM Code of Ethics?

190. What do we call data used to uniquely identify a person (e.g. their netid?)

191. What do we call a valid argument with all true premises?
Two medial researchers discuss whether or not it is ethical to share patient data with their peers at another institution. What are they wrestling with?

“When I weigh the social utility of preserving individual privacy against the safety risks, maintaining privacy leads to greater overall happiness. Preserving privacy is therefore morally right.” What kind of ethical reasoning is being employed in this argument?

Which of the following intellectual property schemes lasts for exactly 20 years?

The Gamma Group developed a controversial software exploit tool for remote computer monitoring. It was called...

“It is estimated that number of people murdered in the U.S. in 2013 was 14,196.” What kind of statement is this?

Which of these philosophers is associated with deontological ethics?

“You don’t believe I saw a ghost. Are you calling me a liar?” What kind of logical fallacy is this?

A motorcycle safety advocacy group wants more riders to wear helmets. They work to produce technology that prevents motorcycles from starting when the diver is not wearing a helmet, making driving without a helmet more difficult. Which of Lessig’s four modes of regulation best describes their regulatory approach?

Under which philosophical theory of ethics is intellectual property considered a moral right?

According to U.S. patent law, which of the following is not one of the three criteria that an invention must satisfy for a patent application to be approved?

Software engineers are designing the AI for a self-driving vehicle. While testing the vehicle under controlled conditions, the car is forced to choose between killing its passenger or killing three teenagers skateboarding in the road. Under which of the following circumstances is the AI exhibiting virtue ethics?

Software engineers are designing the AI for a self-driving vehicle. While testing the vehicle under controlled conditions, the car is forced to choose between killing its passenger or killing three teenagers skateboarding in the road. Under which of the following circumstances is the AI exhibiting deontological ethics?

If we argue that privacy is “an end in and of itself”, we are arguing it has what kind of value?
205. After discovering a vulnerability, a hacker decides to keep it a secret and use it for personal gain. Which of the following disclosure policies is she following?

206. Which U.S. Constitutional Amendment protects against unwarranted searches?

207. Which of the following intellectual property schemes grants the holder a 20 year monopoly?

208. Which of these philosophers is associated with virtue-based ethics?

209. Which of the following philosophies is rooted in the idea that intellectual property should be respected as an extension of the creator’s identity?

210. When is an argument that is valid also inductive?

211. “If I get rich by taking advantage of the foolish, it’s not immoral. When a lion preys upon the slowest gazelle, it’s evolution. I should behave the same way.” What kind of logical fallacy is this?

212. Which of the following security objectives is concerned with preventing unauthorized modification of data?

213. What do we call our tendency to believe that, after an event occurred, the outcome was obvious all along?

214. What do we call an invalid argument whose premises lead us to believe that the conclusion is likely true?

215. "We all torrent music, so it can’t be unethical!” is an example of what logical fallacy?

216. Which of these terms means “having a right to privacy”?

217. What do we call our tendency to believe that a person’s circumstances are probably deserved and caused by their own actions?

218. People or organizations who own and enforce patents for the sole purpose of collecting licensing fees without actually manufacturing products or supplying services are sometimes called...

219. After discovering a vulnerability, a hacker decides discloses the vulnerability to the vendor. After an agreed upon deadline, she releases the information to the public. Which of the following policies is she following?

220. According to John Rawls, what do we call resources that satisfy basic human needs, giving them moral weight?

221. Under what law was Snowden charged by the Justice Department?
222. After his father was murdered, Black Panther initially sought vengeance. Later, he decided that he did not wish to be ruled by anger. Instead, he tried to be just, kind, and honorable. Black Panther is now following which ethical theory?

223. Which of the following is an example of an appeal to authority?

224. Which of the following intellectual property schemes would be used to protect a painting?

225. “All doughnuts are chocolate-covered. If you put anything else on one, it’s just not a doughnut anymore.” What kind of logical fallacy is this?

226. “Illinois CS students should use their expertise to make the world a better place.” What kind of statement is this?

227. “If we believe there’s a ghost in our house, we’ll just stay up all night worrying about it.” What kind of logical fallacy is this?

228. “I refuse to take part in cyberbullying or trolling, because I strive to be a kind and honorable person.” What ethical theory is being employed in this argument?

229. What do we call our tendency to believe that, the things that happens to a person are probably deserved and caused by their own actions?

230. George confronts a fellow database administrator who was downloading customer account information and placing it into a personal file for suspicious purposes. “You should not do this. You would not want someone to steal from you. You should treat our customers the same way you want to be treated. Stealing is wrong.” What ethical theory is George appealing to?

231. Kant’s Categorical Imperative concerns treating people as ends in and of themselves and not means to ends that they do not share. Always, sometimes or never?

232. Which of the following is an example of cybercrime, not cyber-related crime?

233. “These doughnuts are healthy. They’re made using only organically-grown locally-sourced non-GMO ingredients.” What kind of logical fallacy is this?

234. Which of the following would least likely be considered “fair use”?

235. Jim tells Beth that she should wear her seatbelt, because it will keep her safe. Beth responds, “I shouldn’t have to wear a seatbelt. I survived the wars in Iraq and Afghanistan.”. What logical fallacy is Beth making?
236. “Why should anyone listen to you? You’re a liar and a thief.” What kind of logical fallacy is this?

237. When does a valid argument contain all true premises?

238. Which of the following is the U.S. law that first criminalized the circumvention of DRM?

239. Which definition of privacy is concerned with the way personal data is gathered?

240. Jim and Beth are having an argument about pirating music. Jim argues that piracy is moral, because the music industry unfairly sues people. What logical fallacy is Jim making?

241. Which of the following ethical theories allows us, even though we have a moral duty to be honest, to lie to protect a person from a murderer because preserving life is a more important duty in this situation?

242. Which of the following ethical theories implies that, since being dishonest is wrong, lying to protect a person from a murderer is unethical?

243. Which definition of privacy means “control over the flow of one’s personal information”?

244. Which of the following people have publicly advocated policy changes to prevent law enforcement “going dark” in the face of E2EE?

245. Which of the following is the name of a technology company directly involved in the Holocaust?

246. Jim tells Beth that she should wear her seatbelt, because it will keep her safe. Beth responds, “You didn’t wear your seatbelt last week. Why should I do it now?”. What logical fallacy is Beth making?

247. Under which philosophical theory of ethics is intellectual property considered a natural right?

248. As we discussed in class, why is a potential bug bounty program for the company FlexiSpy considered morally controversial among cybersecurity researchers?

249. Which of the following is the U.S. law that provides the “safe harbor” provision for ISPs?

250. A motorcycle safety advocacy group wants more riders to wear helmets. They start an advertising campaign with the message that people who wear helmets are cool. Which of Lessig’s four modes of regulation best describes their regulatory approach?
251. “You shouldn’t wear your seatbelt. While most data shows they prevent injuries, in some cases, seatbelts have been known to trap people in their cars. They are dangerous!” What kind of logical fallacy is this?

252. The practices of merging and matching personal information potentially violate which of the following?

253. If you hack into a computer to steal someone’s credit card information in the US, which of the following laws will most likely be used to prosecute you?

254. Which of the following is best characterized as an example of hacktivism?

255. Which of the following laws criminalizes accessing a “protected computer” “without authorization”?

256. Everyone loves Puccini’s special pepperoni pizza. Your friend, jealous of their success, duplicates their packaging and logo, so people will buy her inferior pizza. What intellectual property protection scheme is your friend violating?

257. You and your friend Luke are standing in line at the Einstein’s Bagels kiosk. All of a sudden, the Joker appears in the atrium and demands two hostages (out of the 300 people in the building) – otherwise, he says he will blow up the building. To demonstrate courage and compassion, you and Luke personally volunteer to be taken as hostages. What ethical theory are you using to justify your actions?

258. Software can be copyrighted.

259. “You say I should wear my seatbelt because it will protect me in an accident, but you didn’t wear your seatbelt last week.” What kind of logical fallacy is this?

260. What is a supererogatory act?

261. Jim and Beth are having an argument about the best movie. Jim argues that “Best in Show” is the best, because the word “Best” is in the title. “The title clearly states that it is the best movie.” What logical fallacy is Jim making?

262. “Everyone who eats magic coffee beans will lose weight. Yes, Bill gained weight when he ate them, but he wears leather shoes.” What kind of logical fallacy is this?

263. “Though a sentient machine might seem like something out of science fiction, I would strive to be just and tolerant in my interactions with one. Perhaps a sufficiently advanced AI could pursue eudaemonia.” What kind of ethical reasoning is being employed in this argument?
264. Which of the following intellectual property schemes protects an idea for
the life of the creator +70 years?

265. “Three of my friends lost 10 pounds eating magic coffee beans. There’s
no other way to explain their weight loss, so it must be the magic beans.”
What kind of logical fallacy is this?

266. Which of the following is an example of affirming the consequent?

267. “This argument is invalid, because you made an ad hominem attack.”
What kind of logical fallacy is this?

268. “A neuron is not sentient, so a brain cannot be sentient.” What kind of
logical fallacy is this?

269. What do we call the philosophical stance that we cannot morally evaluate
the ethical behavior of a person from another culture?

270. Jim and Beth are having an argument about the best movie. Beth argues
that “Alien” is the best, because it terrified her. Jim says she is wrong,
because she is appealing to emotion. What logical fallacy is Jim making?

271. Which branch of applied ethics focuses on what is the case rather than
what ought to be the case?

272. According to U.S. patent law, which of the following is not one of the
three criteria that an invention must satisfy for a patent application to be
approved?

273. The CFAA allows for civil action to be taken against a company for neg-
ligent design of computer hardware.

274. Which definition of privacy means “freedom from interference in one’s
choices”?

275. Which of the following organizations primarily promotes open source as
a development process, while allowing for proprietary software and com-
mercial use?

276. Like any mathematical formula, an algorithm can be patented without a
practical application.

277. After discovering a vulnerability, a hacker decides to tell only the vendor
about it. Which of the following policies is she following?

278. Which of the following was the name of a non-violent resistance movement
in Nazi Germany that distributed pamphlets denouncing the extermina-
tion camps?

279. Kant’s Categorical Imperative concerns treating people as ends in them-
selves and not means to ends that they do not share. Always, sometimes
or never?
280. The CFAA allows for civil action to be taken against a company for negligent design of computer software.

281. Who said “We are building the biggest weapon for oppression in the history of mankind.”

282. Which U.S. Constitutional Amendment requires law enforcement show probable cause?

283. Which of these terms means “having privacy”?

284. The proportion of women graduating with computer science degrees has decreased since the 1980’s. True or false?

285. Everyone loves Puccini’s special pepperoni pizza. Your friend, jealous of their success, sneaks into their corporate headquarters and steals the proprietary recipe, so he can make equally delicious pizza. What intellectual property protection scheme is your friend violating?

286. What do we call the phenomenon in which the probability of a true positive is lower than the probability of a false positive in highly skewed datasets?

287. “Illinois CS students have created software that makes people safer and happier.” What kind of statement is this?

288. Though commonly reported, one of the performance measures we discussed for machine learning algorithms can misrepresent and overstate the performance of a poorly trained algorithm. Which measure is it?

289. “The Earth is clearly flat, because there is no evidence that the Earth is round.” What kind of logical fallacy is this?

290. Daredevil and the Punisher stand on a rooftop in Hell’s Kitchen. The Punisher tries to convince Daredevil that his vigilante heroism won’t make a difference unless he begins killing criminals. Daredevil responds that murder is always unethical, regardless of the circumstances, because it violates universal moral laws. Daredevil’s argument comes from which ethical theory?

291. What do we call data that must be protected because it is intimate or confidential?

292. “Copyright is an agreement to preserve and protect the intellectual property rights of the creator. It is unethical to break this kind of formal and explicit social agreement to violate a person’s rights.” What ethical theory is being employed in this argument?

293. A hacker has permission to hack systems for a company. She finds a vulnerability in the network and reports it to the company. Which of the following is she engaged in?
294. “As a human, your life is sacred, so each cell in a person’s body is also sacred.” What kind of logical fallacy is this?

295. Two employees for a cell phone company discuss whether or not it is ethical to share user data with a marketing firm. What are they wrestling with?

296. What do we call data describing other data (e.g. data describing when a phone call was made.)

297. In discussion, we took implicit association tests and discussed the results. Which of the following do the majority of people who took these tests associate more with “female” rather than “male”?

298. “Illinois CS students have a flawless history of protecting sensitive user data.” What kind of statement is this?

299. You are in a classroom by yourself. A classmate enters the room. Which kind of privacy have you lost?

300. “A sentient artificial intelligence would be a moral agent. Because of this, it would have intrinsic moral worth. We would therefore have the same moral obligations to a self-aware AI that we have to any other person.” What kind of ethical reasoning is being employed in this argument?

301. You and a friend go into a grocery store. While you debate which bag of pita chips to buy, several armed robbers enter the store and hold everyone hostage while they steal all the pita chips from the aisle. Heroically, you shout, “Stop, thieves!” One of the burglars responds, “We’re not stealing. We’re just taking pita chips.” What logical fallacy is she appealing to?

302. When Jim and Beth meet for the first time, they discover they share the same birthday and that their mothers have the same name. Beth says “With so much in common, we must have a special connection.” What logical fallacy is Beth making?

303. Which of the following is not a category of cybersecurity?

304. A hacker turns all of the traffic lights green in a major city, intending to cause widespread automobile accidents. Which of the following is she engaged in?

305. As a class activity, we took implicit association tests. Which of the following do the majority of people who took these tests associate more with “female” rather than “male”?

306. In which of these decades was the proportion of men and women graduating with computer science degrees furthest from equal (i.e. women were most underrepresented.)

307. In which of the following practices is data not necessarily exchanged?
308. The proportion of women graduating with computer science degrees has steadily increased since the 1980’s. True or false?

309. Which of the following is part of the analyze step of Tavani’s “Comprehensive Strategy for Approaching Cyberethics Issues”?

310. Fining people who download pornography is an example of which of the following?

311. “Regardless of how intelligent a computer is, people should ultimately use it as they would any other machine: to promote human happiness.” What kind of ethical reasoning is being employed in this argument?

312. Kant’s Categorical Imperative permits sacrificing one person against their will as long as it serves a greater good. Always, sometimes or never?

313. Which of the following ethical theories could be used to justify enslaving a small portion of the population, as long as their suffering made enough people happy?

314. Which of the following concepts best represents Lawrence Lessig’s concern that “Code is Law”?

315. “These magic beans must cause weight loss. If they don’t, I am going to lose a lot of money.” What kind of logical fallacy is this?

316. “Cyberbullying and trolling are unethical. While they might at first seem like a fun diversion, this dubious social utility is far outweighed by the emotional toll these actions take on their victims.” What ethical theory is being employed in this argument?

317. What do we call it when a machine learning algorithm learns to fit specifics of the training data that do not generalize to untrained data?

318. Your friend says, “It is unwise to plagiarize from this author’s novel, because she will be less inclined to write novels for us to enjoy in the future.” What philosophy of intellectual property is he appealing to?

319. When Jim and Beth meet for the first time, they immediately hit it off. Beth says “You must be an Ares. I only get along with people who have that astrological sign.” Jim replies, “I’m actually a Libra.” Beth says, “Well, one of your parents was probably an Ares.” What logical fallacy is Beth making?

320. What do we call an invalid argument whose premises have no bearing on the truth of their conclusion?

321. Your friend says, “It’s wrong to paint over this artist’s painting, because it could diminish their reputation.” What philosophy of intellectual property is she using?
322. Which of the following technology companies conducted a controversial psychological study intended to manipulate the emotions of their users?

323. Make a brief but strong argument in the space below that pirating software is unethical from a duty-based perspective.

324. Jessie is watching professional ballet dancers perform. She thinks to herself, “That doesn’t look so hard. I’m almost as good at dancing as they are.” Jessie has only danced at weddings and clubs and has never taken lessons. Meanwhile, one of the ballet dancers thinks to himself, “I’m not performing very well tonight. That pirouette was slightly off.” In fact, he is giving the best performance of all the dancers on stage. What cognitive bias are these two most likely exhibiting?

325. “We both agree that slavery is wrong and people should be free. Why are you asking me to pay you for your work? Shouldn’t you be free?” What kind of logical fallacy is this?

326. Software can be patented.

327. “I aspire to be an honest, just, and disciplined person. If I cannot afford to pay for copyrighted material, I will cultivate these virtues by refusing to pirate it.” What ethical theory is being employed in this argument?

328. “These magic beans cause weight loss. After eating three of them, I lost over 10 pounds!” What kind of logical fallacy is this?

329. Melinda works for a company that sells medical software with a crucial bug that causes a misdiagnosis of cancer. She talked to her supervisor about her concerns and filed a formal complaint, but nothing has been done to correct the bug. Unless she blows the whistle, Melinda believes the bug will remain hidden from the public. She has collected extensive internal documentation about the bug and is prepared to go public. According to De George, Melinda is...

330. “Some people steal.” What kind of statement is this?

331. When people are worried about confirming negative stereotypes about their social group, studies report that they underperform on tests. What do we call this phenomenon?

332. Which of the following is an example of cyber-related crime?

333. Which of the following is best characterized as an example of information warfare?

334. Which of these philosophers is associated with consequence-based ethics?
335. George confronts a fellow database administrator who was downloading customer account information and placing it into a personal file for suspicious purposes. “You should not do this. This is not the behavior of an honorable person. You are don’t want to be dishonest and unkind to our customers, do you?” What ethical theory is George appealing to?

336. Which of the following was the name of an early information technology company that supplied the Nazi regime with punch card tabulation machines?

337. When a fixed copy of a novel is purchased, what grants the buyer the freedom to sell the copy on Craigslist without the author’s permission?

338. “You think this house is worth a million dollars. The appraiser thinks it’s worth three million dollars. The true value is probably around two million dollars.” What kind of logical fallacy is this?

339. What do we call public information about a person (e.g. their being in a public place?)

340. Morally, what would we consider a parent feeding their own children?

341. DRM is an example of which of Lessig’s Four Modes of Regulation?

342. Jessie is pretty sure her friend Alice is dating their coworker Dave. Alice refuses to tell Jessie the name of her boyfriend, but she coyly answers Jessie’s questions about him. To learn the truth, Jessie should ask questions that would eliminate the possibility that Dave is Alice’s boyfriend. Instead, she asks questions that support her existing belief. What cognitive bias is Jessie most likely exhibiting?

343. George confronts a fellow database administrator who was downloading customer account information and placing it into a personal file for suspicious purposes. “You should not do this. This is not the behavior of an honorable person. You are being dishonest and unkind to our customers.” What ethical theory is George appealing to?

344. “I’m your boss. If you don’t agree with me, I’ll fire you.” What kind of logical fallacy is this?

345. Two employees at a cell phone company debate whether or not it is ethical to collect and store customer credit card data. What are they wrestling with?

346. Which of the following intellectual property schemes has a “fair use” exemption?

347. “It is wrong to steal.” What kind of statement is this?

348. When does a sound argument contain one or more false premises?
349. “How can you doubt the existence of ghosts? Millions of people believe in them!” What kind of logical fallacy is this?

350. Which of the following is an example of an argument from ignorance?

351. “These magic beans must cause weight loss. Everyone is eating them!” What kind of logical fallacy is this?

352. What do we call confidential information about a person (e.g. their medical records?)

353. Richard Reid, the so-called “shoe bomber” failed to carry out his terrorist plot to blow up a passenger plane. He bears moral responsibility for his actions, because he...

354. “Cyberbullying and trolling are unethical. While they might at first seem like a fun diversion, the abusers are using humans as a means to an end. Ultimately, humiliating people for entertainment violates our moral obligations.” What ethical theory is being employed in this argument?

355. Which of the following is a legal theory that states that data shared with a public company are not considered reasonably private?

356. When we say a person is a “deontologist”, to what ethical theory do they subscribe?

357. Which of the following is a legal theory that states that law enforcement can access information under certain circumstances without a warrant.

358. According to a Google study, which of the following practices do security experts find useful, but novice users do not?

359. The “third party doctrine” could apply to the contents of your refrigerator if you...

360. An engineer who is morally obligated to blow the whistle is also morally permitted to blow the whistle. Always, sometimes or never?

361. Which of the following is the U.S. law that created the concept of a “take-down notice”?

362. “I shouldn’t have to wear a seatbelt. I survived WWII.” What kind of logical fallacy is this?

363. Which of the following is best characterized as an example of cyberterrorism?

364. Which of the following is the name of the conference in which the Nazi “Final Solution” was officially established?

365. Kant’s Categorical Imperative permits sacrificing one person against their will as long as it serves a greater good. Always, sometimes or never?
366. Under Brey’s comprehensive and disclosive method, which perspective of applied ethics does he advocate we use?

367. You and your friend Luke are standing in line at the Einstein’s Bagels kiosk. All of a sudden, the Joker appears in the atrium and demands two hostages (out of the 300 people in the building) – otherwise, he says he will blow up the building. Demonstrating courage and compassion, you and Luke personally volunteer to be taken as hostages. Your actions were moral under the premises of which ethical theory?

368. Your friend says, “We should respect this inventor’s patents, because that incentivizes him to invent even more useful products to benefit society.” What philosophy of intellectual property is she using?

369. When we question whether personal information should be gathered or divulged within a given context, what are we talking about?

370. George confronts a fellow database administrator who was downloading customer account information and placing it into a personal file for suspicious purposes. “You should not do this. You might make a personal profit by selling that data, but you will harm thousands of innocent people in the process.” What ethical theory is George appealing to?

371. What do we call a situation when accountability is distributed in a large project or organization?

372. You and your friend Luke are standing in line at the Einstein’s Bagels. All of a sudden, the Joker appears in the atrium and demands two hostages (out of the 300 people in the building) – otherwise, he says he will blow up the building. Luke pushes two people in front of him towards the Joker, saying that it’s better that 2 people die than all 300. What ethical theory is Luke using to justify his actions?

373. What is a primary social good?

374. “Either my magic coffee beans can cure diseases, or all the people who bought them are mindless fools.” What kind of logical fallacy is this?

375. Which of the following intellectual property schemes grants an inventor an exclusive legal monopoly?

376. Which of the following philosophies is rooted in the idea that intellectual property should be protected only because it benefits society?

377. A server hosting a popular blog crashes due to a faulty disk drive. The files cannot be recovered, so the blog contents are lost forever. Under our definition, does this constitute censorship?

378. A user posts a PDF of a novel on Reddit. The author of the novel issues a DMCA takedown notice, and the PDF is removed. Under the definition given in class, does this constitute censorship?
379. According to our textbook, which of the following are challenges presented by online social networks?

380. Which of the following is best characterized as an example of **ethical hacking**?

381. You and your friend Luke are standing in line at the Einstein’s Bagels kiosk. All of a sudden, the Joker appears in the atrium and demands two hostages (out of the 300 people in the building) – otherwise, he says he will blow up the building. Luke refuses to offer any hostages, acting on the rule that human lives should never be treated as a means to an end. What ethical theory is Luke using to justify his actions?

382. George confronts a fellow database administrator who was downloading customer account information and placing it into a personal file for suspect purposes. “You should not do this. You might make a personal profit by selling that data, but you will harm thousands of innocent people in the process.” What ethical theory is George appealing to?

383. What do we call the philosophical stance that there are multiple plausible answers to ethical dilemmas, as long as rational criteria are satisfied, but some answers are more right than others?

384. After a study indicated this feature might undermine a reader’s comprehension of scientific articles, Popular Science disabled this feature on their website.

385. According to a study we discussed in class, placing stereotypical objects like Star Trek posters and video games in a classroom decreased young women’s interest in studying computer science. True or false?

386. Make a **brief** but strong argument in the space below that pirating software is unethical from a character-based perspective.

387. Which of the following intellectual property schemes would most likely be used to protect a painting?

388. What do we call a valid argument with at least one untrue premise?

389. A motorcycle safety advocacy group wants more riders to wear helmets. They start an advertising campaign with the message that people who wear helmets are cool, so people will see helmets as more socially acceptable. Which of Lessig’s four modes of regulation best describes their regulatory approach?

390. A server hosting a popular blog crashes due to a faulty disk drive. The files cannot be recovered, so the blog contents are lost forever. Under the definition given in class, does this constitute censorship?
391. “Privacy is a basic human right enshrined in law. Regardless of risk, the majority cannot strip a person of their constitutionally protected freedoms.” What kind of ethical reasoning is being employed in this argument?

392. Which of the following organizations, founded by Richard Stallman, generally disapproves of the notion of proprietary software?

393. Jessie works in human resources, and is processing job applications. She notices a few misspellings and grammatical mistakes on a resume, so she flips it over to check the applicant’s GPA. “I knew it. Only a 2.7 GPA. I knew this applicant isn’t very smart.” What cognitive bias is Jessie most likely exhibiting?

394. “Staying up late makes you sleepy. You look sleepy, so you must have stayed up late.” What kind of logical fallacy is this?

395. Which of the following is not a part of ACM code of Ethics?

396. The Gamma Group, developed a controversial software exploit tool for remote computer monitoring. It was called...

397. “Privacy is a basic human right enshrined in law. Regardless of risk, the majority cannot strip a person of their constitutionally protected freedoms. We are therefore morally obligated to preserve privacy.” What kind of ethical reasoning is being employed in this argument?

398. Title II of the Communications Act will be used by the FCC to regulate ISPs as...

399. A user posts a PDF of a novel on Reddit. The author of the novel issues a DMCA takedown notice, and the PDF is removed. Under our definition, does this constitute censorship?

400. Which of the following laws concerns the "right to be forgotten"?

401. Which of the following organizations, founded by Lawrence Lessig, leverages existing copyright laws to give greater flexibility and choices to the creator?

402. “Scientists can’t detect ghosts, because spirits are invisible to nonbelievers.” What kind of logical fallacy is this?

403. “My friend told me he saw a ghost, and he wouldn’t lie, because that’s unethical.” What kind of logical fallacy is this?

404. Which of the following is an example of cybercrime (not cyber-related crime)?
A motorcycle safety advocacy group wants more riders to wear helmets. They work with manufacturers to produce comfortable, stylish, and affordable helmets, so more people will buy and wear them. Which of Lessig’s four modes of regulation best describes their regulatory approach?

Which of the following laws protects private medical records in the US?

“All people are moral agents. This means each cell in a person’s body deserves moral consideration.” What kind of logical fallacy is this?

Which of the following organizations, founded by Richard Stallman, rejects all notions of proprietary open source software?

Which of the following is not example of cybercrime, but is instead considered cyber-related crime?

Which of the following is true of risk analysis in cyber security?

Which of the following laws protects private student information in the US?

What do we call the situation where technological development outpaces a society’s development of relevant norms?

After discovering a vulnerability, a hacker decides to immediately go public. Which of the following policies is she following?

According to De George’s criteria, which of the following is a condition for being morally obligated to blow the whistle?

Which of these philosophers is associated with duty-based ethics?

Adam Lanza, the Sandy Hook Elementary School shooter, murdered dozens of innocent people in cold blood. He bears moral responsibility for his actions, because he...