Professor Kapatamoyo Half – 90 Points
The exam is based on Chapters 11-12 of J.L. Harrington’s textbook, Chapters 1, 6, 8, and 12 of H.T. Tavani’s textbook, and the PowerPoint slides.

You must know the following topics in detail:

a. 3 perspectives of Ethics
b. Descriptive Ethics
c. Situational Ethics
d. Deontological Theories
e. Utilitarianism
f. Natural and Positive Rights
g. Philosophical Foundations of IP
h. Web 1.0 and Web 2.0
i. Effects of IT on Employment
j. Effects of IT on Businesses
k. Globalization and the Workforce
l. Telecommuting
m. Federal Departments Involved in Protection of Citizen Rights in Online Environments
n. Computer Fraud and Abuse Act (CFAA)
o. USA Patriot Act
p. Offshoring
q. False Claims Act
r. Copyright Act of 1790
s. The Copyright Act of 1976
t. Copyright Term Extension Act of 1998
u. Types of Copyright Infringements
v. Public Domain
w. Fair Use Doctrine
x. Fair Use Analysis
y. Two Key Fair Use Cases
z. Three Laws of Robotics per Isaac Asimov

Professor White Half – 60 Points

Format:
Thirteen 1-point short-answer questions (multiple-choice, true-false, matching)
Six 2-point short-answer questions (multiple-choice, true-false, matching)
Five 4-point explanation questions (4 points = 2½ minutes = 1-2 sentences)
One 15-point essay/discussion question (15 points = 10 minutes = 6-8 sentences)

Topics:
Cyberwar (20 points)
Article: “Writing the Rules of Cyberwar”
Course Notes: 11/11
Just War Doctrine, Geneva Conventions, Stuxnet, Quantum Dawn 2, Dragonfly, Tallinn Manual

Internet 911 (12 points)
Article: “911 for the 21st Century”
Course Notes: 11/13

Biomedical Computing (28 points)
Article: “The End of Disability”
Course Notes: 12/2
Telemedicine, Expert Systems, Medical Databases, HIPAA, Pandemic Tracking, Robotic Prosthetics, Pacemakers, Medical Imaging, Deep Brain Stimulation, BRAIN Initiative, Surgery Simulators, Drug Implants