KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR
THIRD YEAR, SECOND SEMESTER EXAMINATION
FOR THE BACHELOR OF SCIENCE IN COMPUTER SCIENCE

KCS 312 – SEMINAR TOPICS IN COMPUTER SCIENCE

Date: 08TH DECEMBER 2022
Time: 2:30PM – 4:30PM

INSTRUCTIONS TO CANDIDATES
ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)
a) Discuss any five common classes of tasks involved in data mining   (5 Marks)
b) Discuss any five Challenges to intellectual property rights in computer ethics   (10 Marks)
c) Discuss any five the possible physical scenarios the end-user designers should be aware of in the
design of Augmented Reality   (5 Marks)
d) Describe any five advantages of disruptive technologies in the society today   (10 Marks)

QUESTION TWO (20 MARKS)
a) Discuss any five code of conduct recommended for ICT professionals according to the Association
for Computing Machinery (ACM) code   (5 Marks)
b) Describe any five System Quality considerations for software engineering   (5 Marks)
c) State the five-step process for Ethical analysis in computer science   (10 Marks)

QUESTION THREE (20 MARKS)

a) State and explain any five sources of behavioral data mined using Mobile phones today to record a
large amount of information about the user behavior   (5 Marks)
b) Discuss any five characteristics the value of information posies in information systems   (5 Marks)
c) Describe any five requirements for the development of an Artificial Intelligence agent/ systems
(10 Marks)

QUESTION FOUR (20 MARKS)
a) Describe any five critical issues in the design of disruptive technologies   (5 Marks)
b) Describe any five management techniques should be used improve the success rate of Internet of
Things projects   (10 Marks)
c) Discuss any five ways to reduce Initial Investments and Initiating business with Cloud Computing
services   (5 Marks)