



STRATHMORE INSTITUTE OF MATHEMATICAL SCIENCES
MASTER OF DATA SCIENCE AND ANALYTICS
END OF SEMESTER EXAMINATIONS
DSA 8101: ETHICS IN DATA SCIENCE

Date: 5th October 2022

Time: 2:30 hours

Instructions: Answer Question 1 and any other three questions.

Question 1. (40 Marks, 4 marks each)

Give the most accurate definition of the following terms.

1. Ethics,
2. Moral Good,
3. Natural Moral Law,
4. Feelings,
5. Virtues,
6. Temperament,
7. Character,
8. H3 Level of Happiness,
9. Leisure,
10. Work,

Question 2. (20 marks)

- a) Explain the three levels of the triadic structure of the person (10 marks) and the type of good you can do at each of the three levels with your professional work. (10 marks)

Question 3. (20 marks)

Your immediate manager is asking you to work on Saturday and Sunday this month together with the other members of your team for an important project. This will interfere with the family duties and rest each need. Using what you have learned from Giving Voice to Values present a draft for each of the steps to train the other members and have a common voice.

(2 marks for each explanation, 1 mark for each plan, and 2 extra marks for the introduction to GVV).

Question 4 (20 marks)

You are being promoted to be the chief ethics manager in your company's IT department and you have been requested to prepare a strategic plan on how to promote happiness, within the IT department for the next 5 years. Give the master lines for the four levels of happiness. Discuss each level according to goals, objectives, activities, methods of evaluation.

Question 5 (20 marks)

The new CEO is very social minded. He has asked you to prepare a draft to help the company live the six social ethical principles in a way that assists the employees and clients. Explain what each ethical principle requires and make a matrix for each indicating the suggested policies for each. In your analysis, suggest policies for each and how to measure effectiveness. (1 marks for each explanation, 1 mark for each policy, 1 mark for each measure and 2 extra marks for the introduction to the Social Ethical Principles).
