

Appraisal of Binary Classification

| | Predicted Negative | Predicted Positive |
|-------------------|--------------------|--------------------|
| Observed Negative | True Negative | False Positive |
| Observed Positive | False Negative | True Positive |

- i. With reference to the table above, define each of the following appraisal metrics (*1 Mark for each*).
 - a. Accuracy
 - b. Precision
 - c. Recall
- ii. What is the F-score? Explain its function and how it is computed.
- iii. Define Specificity and Sensitivity. You make reference to previous answers.
- iv. What is a ROC curve? Explain its function, how it is determined, and the means of interpreting the curve. Support your answer with a sketch.