Classification- SVM

Possible questions for the classification report values

1. i.What is the overall performance of the model?

ii.What is the percentage of correct classification of both purchased & not purchased?

Ans- Accuracy=0.79

2.what is the percentage of correct classification of purchased to the total input of purchased in the test set?

Ans- Recall purchased=0.90

3. what is the percentage of correct classification of Not purchased to the total input of purchased in the test set?

Ans- Recall Not purchased=0.77

4. what is the percentage of correct classification of purchased to the sum of correctly purchased& wrongly classified as purchased in the test set?

Ans- Precision=0.44

5. what is the percentage of correct classification of purchased to the sum of correctly Not purchased& wrongly classified as Not purchased in the test set?

Ans- Precision=0.97

6. i.what is the value of f1-measure of purchased?

ii.What is the overall performance of purchased?

Ans- F1-measure=0.59

7. i.what is the value of f1-measure of Not purchased?

ii.What is the overall performance of Not purchased?

Ans- F1-measure=0.86

8. i.What is the macro average of precision?

ii.What is the average performance of precision

iii.What is the average performance of correct &wrongly classified ?

Ans- Macro avg(precision)=0.83

9. i.What is the macro average of recall?

ii.What is the average performance of correctly classified ?

Ans- Macro avg(recall)=0.71

10.i. What is the macro average of f1-measure?

ii.What is the average performance f1-measure ?

Ans- Macro avg(f1-measure)=0.73

11. i. what is the sum of product of proportion rate of each class?

iiwhat is the sum of product of weight of each class?

Ans- Precision(weighted avg)=0.81

Recall(weighted avg)=0.79

F1-score(weighted avg)=0.77

0.81 0.79 0.77