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MONTHLY TEST SEP 2019
Informatics Practice (XII C,D)

MM: 25

TIME:1 HRS

- Q.1 a) What do you understand by feasibility study in Software specification? Mention two areas in which feasibility study needs to be done. 2
- b) Draw a labeled diagram of Waterfall model. 3
- c) Mention two advantages of Waterfall model 2
- d) Mention two advantages of Incremental delivery model. 2
- Q.2 a) Mention two drawbacks of Pair programming. 2
- b) What are sprints in Scrum? How a sprint ends? 2
- c) What is the difference between Commit and Update in a Version Control System? 2
- d) Mention two features of GIT. 2
- Q.3 a) What is a Business Use Case Diagram? Mention two components of a Business Use Case Diagram 2
- b) Draw Business Use Case diagram to depict include relationship. 2
- Q.4 a) The 'Sales' table is stored in the database 'Megastore' in MySQL. The database credentials includes host as 'localhost', user as 'root' and password as '1234'. The Sales Tables has following data: 4

Ordered	Product	Quantity	Rate
1001	Cookies	100	25
1005	Candy	50	10
1007	Bread	120	40
1010	Butter	30	50

Write Python codes to do the following:

- Import the required library to establish connection between MySQL and Python
- Establish Connection with the database and instantiate a cursor.
- Increase the quantity by 20 for all the products whose rate is more than 20.
- Permanently store the records in database and close the connection