Part A

1.a. Implement the Boolean function with OR and INVERTER gates only F= x z + x' y'+ x' y *(4 marks)*

1.b. Discuss the services offered by Amazon web service access from AWS management console. *(6 marks)*

1.c. Explain three delivery models and 4 deployment models. *(5 marks)*

Part B

2.a. Explain the different registers in the computer. *(6 marks)*

2.b. Explain With neat diagram in detail the Zookeeper Coordination Service. *(5 marks)*

2.c. Discuss the classification of workflow patterns. *(5 marks)*

Part C

3.a. This is question from part A. *(6 marks)*

3.b. Define cloud computing. List 5 characteristics cloud computing. *(5 marks)*

3.c. List all Postulates available in Boolean algebra? *(5 marks)*

Part D

4.a. Implement the Boolean function with OR and INVERTER gates only.F(M,N,O)= (M+N).(M'+N').(N'+O) *(5 marks)*

4.b. With neat diagram compare the lifecycle of workflow and life cycle of computer program. *(6 marks)*

4.c. i) Solve the sum of product for given function using K-map and find all essential prime implicants. X(p,q,r,s)=πM(6,7,10,12,13) + d(0,4,8,11) ii) Obtain the sum of product for given Boolean expression using k-map F= A'B'+ BD+CD+B'C' *(4 marks)*