REPUBLIC OF RWANDA
MINEDUC
WESTERN PROVINCE
RUSIZI DISTRICT
NKOMBO SECTOR
G.S. SAINT PIERRE NKOMBO

Tel: 0788664906/0722664906(Father Silas)   E-mail: gsnkombo@gmail.com

COMPUTER SCIENCE SENIOR 5 HOLIDAY PACKAGE   **...DECEMBER,2023**

MAXIMUM MARKS: 70

Q1) Define two-dimensional array and give their syntax for declaring it **(6 marks)**

Q2) Discuss the purpose of switching table in the switch? **(4 marks)**

Q3) Describer the 2 function of a modem **(4 marks)**

Q4) What is the purpose of managing information? **(4 marks)**

Q5) Explain three database design levels **(6 marks)**

Q6) Differentiate queue and stack and state their operations **(10 marks)**

Q7) Write an algorithm to solve quadratic equation. **(10 marks)**

Q8) Discuss advantages and disadvantage of using computer network **(10 marks)**

Q9) given the following relation that is representing an appointment of patients at Gihundwe hospital. try to remove all anomalies up to 3NF **(10 marks)**

staffNo	dentistName	patientNo	patientName	Appointment Date	time	surgeryNo
S1011	Tom Kalisa	P100	Mahoro Teta	12-Aug-22	10:00	S10
S1011	Tom Kalisa	P105	Mukasa Derick	13-Aug-22	12:00	S15
S1024	Philip Kamara	P108	Gasana Didas	12-Sept-22	10:00	S10
S1024	Philip Kamara	P108	Gasana Didas	14-Sept-22	10:00	S10
S1032	Divine Keza	P105	Mukasa Derick	14-Oct-22	16:30	S15
S1032	Divine Keza	P110	Ishimwe John	15-Aug-22	18:00	S13

Q10) A: What is a binary search operation? (2marks)

   B: Try to write down the algorith for binary search operation(4marks)

MERRY CHRISTMAS AND HAPPY NEW YEAR 2024!