S.1- MATHS, BUSINESS & ICT REVISION PACKAGES

MATHEMATICS – S1

Due to the outbreak of corona virus the plans to distribute some hand sanitizer to a certain community. There are 10 homesteads in that community with the family members of 4, 6, 8, 9, 7, 6, 2, 10, 5 and 3. Assuming one carton contains 5 bottles of the hand sanitizer and each family member is entitled to one bottle of sanitizer. Determine the number of cartons the government should take to that community. Calculate the number of remaining cartons and state what the government should do with the remaining bottles (12 marks)

ENTREPRENEURSHIP – S1

1(a) Define the term business (1 mark)

 (b)   Explain any four types of businesses you know that are carried out in Uganda (8 marks)

2(a) Define the term risk as used in business today (1 mark)

 (b)Explain any three types of risks that businesses in Uganda face today (6 marks)

(c) State any four risks faced by Ugandan businesses today (4 marks)

ICT – S1

Write the following abbreviations in full in relation to information technology
   (a) COVID-19   (b) CPU (c) EPOS   (d) ATM   (e) BIOS (f) CMOS (g) OS   (h) OLED (i) CCTV   (J)
   RAM   (20 marks)

S.2 - MATHS BUSINESS & ICT REVISION PACKAGES

MATHEMATICS - S2

1.(a)In a venn diagram $n(A) = 10, n(B) = 13, n(A \cap B) = x$ and $n(A \cup B) = 18$. Write both in terms of x and set notation the number of elements:

(i) in A only

(ii) in B only

(b)Solve for x and, hence find $n(A \cap B)$ (12 marks)

2(a)Construct an angle of 60^0. Use angle bisection to construct angles of 30^0 and 15^0.

(b)Construct angles of 120^0, 105^0 (12 marks)

3. Construct a triangle ABC in which $AB = 8cm, AC = 6cm$ and $BC = 9cm$, bisect the angle BAC, drop a perpendicular from C to meet the bisector of angle BAC at X and meet AB at the point Y.

(a)measure the length of:

(i) CX   (ii) AX   (iii). XY

(b) Construct a circle in which XY is its diameter and calculate its area (12 marks)

COMMERCE - S2

1. (a) Define the following terms as used in installment selling and buying

   (i)Hire purchase (2 marks)

   (ii)Deferred payment (2 marks)

 (b)Give any four advantages and disadvantages of installment selling and buying to both the seller and buy (16 marks)

ICT – S2

1. (a) Define the term output devices (2 marks)

    (b) Mention any 5 input devices and state the function of each (8 marks)

    (c) Mention any 5 output devices and state the function of each (8 marks)

S.3 – MATHS, BUSINESS & ICT REVISION PACKAGES

MATHEMATICS – S3

1. The table below shows the frequency distribution of weights in kg of luggage for 100 passengers boarding the Uganda airlines plane travelling from Dubai to Entebbe.

Weight (kg)	Frequency
50-54	1
55-59	2
60-64	5
65-69	11
70-74	21
75-79	20
80-84	17
85-89	10
90-94	6
95-99	4
100-104	2
105-109	1

Find;

    i.   The mean weight
    ii.   The median weight
    iii.   The model weight   (12 marks)

S.3
COMPUTER STUDIES

Describe any five categories of computer application software available today (10 marks)