The Open university of Sri Lanka

Department of Mathematics & Computer Science

Certificate in Laboratory Technology Programme 2013/2014

Basic Mathematics & Computer Skills-PSC1123

Home Assignment

**Date of Submission:01/10/2013**

**Answer All the Questions**

(1)

 (i)The results of 720 students who sat on examination shown below.

 Represent this information in Pie Chart

 A- Pass B- Pass C- Pass S- Pass W- Pass

 60 100 120 400 40

(ii) The Pie Chart given below show how 36 invitees at a party had their Meals

 Rice hh String Hoppers

 Noodles

 Hoppers

(a) Calculate the number of people who had each type of Meal

(iii) Petrol consumption of a hundred petrol Motor Cars of a certain month are given following frequency distribution.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Petrol in litres | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 |
| Number of Motor Cars | 20 | 25 | 30 | 15 | 10 |

 (a) Draw a histogram, frequency polygon and cumulative frequency curve.

(2) Finishing times of a fifty competitors of marathon race are given by following frequency distribution.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Time(min) | 15-18 | 19-22 | 23-26 | 27-30 | 31-34 | 35-38 | 39-42 | 43-46 | 47-45 |
| competitors | 03 | 08 | 09 | 11 | 04 | 02 | 05 | 06 | 02 |

Find

(i) Mean, Median and Mode of the distribution

 (ii) Standard Deviation and Coefficient of Skewness

(3) Integrate following functions

 (i)  (ii) (iii) 

**Please post your answers to this assignment for the following address.**

Coordinator – PSC 1123

Certificate in Laboratory Technology Programme

Department of Mathematics & Computer Science

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