



**Final Practical Examination, 1<sup>st</sup> Stage Students, 2<sup>nd</sup> Semester 2020-2021**

**Maximum Marks: 100**  
*(30 Marks)*

**Q1) Find the following equations?**

a)  $\sum_{k=0}^4 3^k$

b)  $\sum_{x=3}^6 x^2$

c)  $\sum_{r=1}^4 (-1)^r$

**Q2) Find the Percentage (%) and draw the Histogram for the data percentage of the following table?** *(20 Marks)*

classes	frequency	Percentage frequency (%)
0 – 9	1	
10 – 19	5	
20 – 29	8	
30 – 39	7	
40 – 49	4	

**Q3) Construct a grouped frequency table for the following data on the basis of tall (in centimeter) of 30 plants which were sampled from a garden?** *(20 Marks)*

34    15    19    20    14    13    20    19    27    17  
12    24    25    21    22    18    28    29    15    23  
31    14    32    24    26    33    21    30    16    22

**Q4) Find the Mean, Median, Mode, Standard deviation, Variance and Range for the length of 9 fishes in cm which are;( 2, 10, 7, 3, 10, 4, 9, 10, 8)?** *(30 Marks)*

***ALL THE BEST***

**Mr. Hemin Hussein Ali**  
**Practical Lecturer**