**Name…………………………………………………………………….… Admission No:……………**

**Class;……………………………………**

**451/2**

**COMPUTER STUDIES**

**PAPER 2**

**(PRACTICAL)**

**OPENER EXAMINATION TERM 3, 2022**

**TIME: 2 ½ HOURS**

1. The following are the KCSE results for a certain school.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **BARAKA HIGH SCHOOL** | | | | | | | | | | | | | |
| **NAME** | **ENG** | **KSW** | **MAT** | **BIO** | **PHY** | **CHE** | **GEO** | **ART** | **COM** | **FRE** | **AVE.**  **POINT MARK** | **OVERALL GRADE** | **RANK** |
| Njiru | B+ | B | A | B- | A | B | B- | A- |  |  |  |  |  |
| Manwa | C- | B+ | A | A- | A | C | A- |  | A |  |  |  |  |
| Kalulwe | B+ | B | A | B+ | A | B+ | B | A |  |  |  |  |  |
| Leonard | B+ | A | A | C- | A | A- | C+ |  | B+ |  |  |  |  |
| Fred | A | A | A | B | A | A | A- |  |  | B+ |  |  |  |
| Njogu | B+ | B+ | A | A- | A | A | A- | C+ |  |  |  |  |  |
| Muange | B+ | B | B | A | A | A+ | C+ |  |  | A |  |  |  |
| Kiprono | B | B+ | A | A- | C | B+ | A |  | A- |  |  |  |  |
| Wekesa | B+ | A | C+ | A | B- | B | A |  | A |  |  |  |  |
| Ndiragu | C+ | B+ | B | B | A | A | B+ | D+ |  |  |  |  |  |
| Opiyo | A- | B | B+ | D+ | A- | B | B | B- |  | A- |  |  |  |
| **Mean** |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. i. Enter the data using the given values above in excel and save your work as KCSEXCEL (15marks)
2. Two rows below the table above determine point scored by each student per subject. given that (7marks)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Grade | A | A- | B+ | B | B- | C+ | C | C- | D+ |
| Value | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 |

1. Rename sheet1 to “Broadsheet” (1mark)
2. Perform the following calculations.
3. Get the average point (4marks)
4. Determine each student overall grade (5marks)
5. Determine each students rank using the Ave. Point Mark. (4marks)

d. Calculate Subject Mean (4marks)

e. **Draw** a Column Chart to display Subject performance (4marks)

* + - * Title as “SUBJECT ANALYSIS”
      * **Place** the legend at the bottom of the graph (2marks)
      * **Save** the chart on a new sheet and name it Subject Analysis (2marks)

f. Print

i) Broadsheet with formulae displayed (3marks)

ii) Subject Analysis (1marks)



