# FOCUS A365

ADM ………………..

NAME ………………………………………………………………………………………………

CLASS ……………………….

DATE …………………………

SCHOOL …**ST CLARE GIRLS HIGH SCHOOL – GATITU**……..

SCORE …………………………../ 30……FORM 1 TERM 3 OPENER EXAMS 2017 SEPT. ..

TEACHER'S COMMENT

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*INSTRUCTIONS:* *Answer all the questions given below and clearly show your workings*

1. Evaluate: $\dfrac{-2(5+3)-9\div3+5}{-3(-5)+-2(4)}$ =3 mks

2. A group of 60 people consisting of adults and children hired a bus for Sh. 18,600 in order to take a trip. Each adult paid Sh. 400 while each child paid Sh. 250. Find the number of adults and the number of children =3 mks

3. A bus travels $75\frac{1}{2}km/h$. What distance will it cover in $2\frac{1}{2}hrs$? =2 mks

4. Y represents a number which when divided by 10, 15 or 18, the remainder is always 7. Find Y. =3 mks

5. John miscopied 75 as 57. He then multiplied 57 by a certain number and got 456. Find the number and the correct product. =2 mks

6. The density of liquid $X$ is 0.9 $g/cm^2$. Calculate the volume in m$^3$ of 2800 kg of the liquid　　　=3 mks

7. Five years ago, the population of Mosocho Division was 141,000. If it has increased by 11% since then,

   what is it now?　　　=2 mks

8. Evaluate: $\dfrac{0.236 \times 1.0341}{3.226 \times 0.0021}$　　　=3 mks

9. Peshna spends $\frac{1}{4}$ of her days' time reading and $\frac{1}{8}$ playing. She then spend $\frac{1}{2}$ of the remaining time sleeping.

    a. What fraction of the day does she spend sleeping?     =2 mks

    b. If she spends the remaining time in a church service, how many hours does she spend in the church? (**Hint:** 1 day = 24 hours)     =2 mks

10. The smaller of the two consecutive integers is P. find the sum of 3 times the smaller integer and five times the greater.     =3 mks

11. Factorize the following expression: $3px - py + 3qx - qy$     =2 mks