**NAME..................................................................................ADM NO..................... STRM...................**

**ELERAI MCK GIRLS’ SECONDARY SCHOOL**

**P. O. BOX 435**

**SULTAN HAMUD**

***Motto “Discipline and Hard Work for Excellence”***

**FORM I**

**MATHEMATICS**

**CAT II**

**TERM II 2013**

**INSTRUCTION**

* *Answer* ***ALL*** *the questions in the spaces provided below each question*

1. Use number line to work out the following
2. (+8) + (+7) (2mks)
3. (+7) + (-4) (2mks)
4. (+4 – (+7) (2mks)
5. (-4) – (+3) (2mks)
6. Simplify the following
7. (-2) x (+12) ÷ -6 (2mks)
8. -28 ÷ (+7) x -3 (2mks)
9. Rhoda walked four floors down from the tenth floor and then took a lift to the eighteenth floor. How many floors did she go through while in the lift? (3mks)
10. Evaluate

½ + 1/6 of (13/18 – 5/9) ÷ 1/3 – 7/24 (3mks)

1. Express each of the following in standard form
2. 0.00065 (1mk)
3. 5009.42 (1mk)
4. 2.0 (1mk)
5. Evaluate
6. 11.233 + 250.16 + 2.96 (2mks)
7. 0.002 – 0.034 (2mks)
8. Express each of the following as fractions in its simplest form
9. 0.6 (2mks)
10. 0.68 (2mks)
11. 2.842 (2mks)
12. The distance between towns M and N is 58.6 km. Town Q, which is between the two towns is 39.78 km from N. how far is Q from M? (3mks)
13. On two consecutive days, a man painted 2/5 and 1/3 of a wall. What fraction remained to be painted? (2mks)
14. Simplify the following
15. 41/2 x 13/4 x 12/5 (2mks)
16. 3/10 x 41/6 x 8/9 (2mks)
17. Julia visited her friend June who lives 4/5 of 6 km away. She ran 2/3 of the way. What distance did she run? (2mks)
18. By what number must 31/2 be multiplied to give 63/4? (2mks)
19. Solve:
20. 30.722 + 0.00014972 from table (2mks)
21. √196 using factor method (2mks)

14. If P = √2ab and a = 9 and b = 11. Calculate the value of P correct to 1 decimal place (2mks)