**THE SCHOLAR’S GRAMMAR SCHOOL**

Final Term Examinations, March 2016

Class : VIII Date : --2016

Subject : Mathematics Time : 3 Hours

Student’s Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Max. Marks : 100

**Arithmetic**

**Q. No. 1. (a)** Change base 5 system to decimal (05)

i) ii)

**(b)** Change decimal system to base 5 system (05)

i) ii)

**(c)** Change binary to decimal (05)

i) ii)

**(d)** Change decimal to binary (05)

i) ii)

**Q. No. 2.** Find Arithmetic Mean (A.M.) (10)

i) 5,9,6,3,0,1,9,10,7 ii) 35,45,50,15,25,37.5,44.5,0 iii) 25,60,35,15,80 iv) 30,45,62,53,25,80

**Sets & Algebra**

**Q. No. 3.** Prove any one DE Morgan’s law. (10)

i) ii)

when

**Q. No. 4.** Find the factors of the following. (10)

i) ii) iii) iv)

**Q. No. 5.** Find the solution set of the following. (10)

i) ii)

**Geometry**

**Q. No. 6. (a)** Draw triangles of the following points on graph paper. (10)

i) ii)

**(b)** Find the angle of above drawn triangles. (10)

**Q. No. 7.** Game. (10)

**Q. No. 8.** Oral Tables. (10)