Subject: - Mathematics

Topic: - Constructions

TEST PAPER

CBSE-7th

Time: - 60mins, M.M:-15

(SECTION A – 1 MARK)

Q.1) Draw a line segment of length 6.3 cm. Draw another line parallel to it at a distance 3 cm from it.

Q.2) Draw any Δ *ABC.* Through A, draw the line parallel to BC.

Q.3) Construct a triangle ABC with AB = 7 cm, BC = 5 cm and AC = 6 cm.

(SECTION B – 2 MARKS)

Q.4) Construct the Δ *ABC* in which *AB = 6* cm, *AC = 8* cm, ∠*BAC = 50°* .

Q.5) Construct Δ *RST* right angled at *T* in which *ST = 6.2* cm and *SR = 8.3* cm

Q.6) Construct Δ *XYZ* in which *YZ = 5.8* cm, ∠Y = 100°, ∠Z = 40°. Draw the perpendicular from Y to XZ.

(SECTION C – 3 MARKS)

Q.7) Construct Δ *ABC* in which *AB = 7* cm, *AC = 6* cm, *BC = 9* cm. Measure ∠A, ∠B and ∠C.

Q.8) Construct the Δ *ABC* in which *AB = 7.4 cm, ∠BAC = 47°, ∠ABC = 68°.* Calculate the third angle and measure this angle to check the accuracy of your construction.