

## 9<sup>th</sup> Chapter: Construction of triangle: Exam Guess Paper

### Section - A

Q.1 With a ruler and compass which of the following angles cannot be constructed?

(a)  $60^\circ$  (b)  $80^\circ$  (c)  $90^\circ$  (d)  $105^\circ$

Q.2 With a ruler and compass which of the following angles can be constructed?

(a)  $80^\circ$  (b)  $90^\circ$  (c)  $100^\circ$  (d)  $110^\circ$

### Section - B

Q.3 Construct an angle of  $45^\circ$  at the initial point of a given ray and justify the construction.

Q.4 Construct the following angles and verify by measuring them by a protractor.

(i)  $75^\circ$  (ii)  $135^\circ$

### Section - C

Q.5 Construct Triangle PQR with base QR = 3.8 cm and  $\angle Q = 75^\circ$  and PQ + PR = 7.9cm

Q.6 Construct a triangle with base QR = 3.4 cm and  $\angle R = 75^\circ$  and PQ - PR = 1.2cm

Q.7 Construct an equilateral triangle with sides 4cm.

### Section -D

Q.8 Construct a triangle ABC in which  $\angle B = 60^\circ$  and  $\angle C = 45^\circ$  and AB+BC+CA = 13 cm.

Q.9 Construct a right triangle whose base is 12cm and sum of its hypotenuse and other side is 18cm.

Q.10 Construct a triangle with its perimeter = 11cm and the base angles of  $75^\circ$  and  $30^\circ$ .

### Answers:

Q.1 b Q.2 b