**Question 1**

Text, letter

Description automatically generated

**Question 1**

Text, letter

Description automatically generated

**Question 2**

Chart, letter

Description automatically generated

**Question 3**

Chart, letter

Description automatically generated

**Question 3**

Chart, letter

Description automatically generated

**e)  for this part, we need to create a DC signal. So, we need to have sample at zero value or every 10 ms.**

**T = 10ms**

**Fs= 1/10 ms = 100 sample/sec**

**Question 4**

Text, letter

Description automatically generated

Text, letter

Description automatically generated

**Question 5**

Text, letter

Description automatically generated

**Question 5**

Text, letter

Description automatically generated

Text, letter

Description automatically generated

**Question 5**

Text, letter

Description automatically generated

**Question 5**

Text, letter

Description automatically generated

**Question 6**

Text, letter

Description automatically generated

**Question 6**

Text, letter

Description automatically generated

**Question 6**

Text, letter

Description automatically generated

**Question 6**

Text, letter

Description automatically generated

Text, letter

Description automatically generated

**Question 7**

Text, letter

Description automatically generated

**Question 8**

Text, letter

Description automatically generated

**Question 8**

Text, letter

Description automatically generated

**Question 9**

Text, letter

Description automatically generated