**Module 6**

**Study Material (Video)**

1. **Z transform**

**Link -** <https://www.youtube.com/watch?v=4lZ0aQAcvLY&t=464s>

1. Inverse Z transform using Partial fraction

<https://www.youtube.com/watch?v=QFBFHIA74KE&t=20s>

1. Inverse Z transform using convolution theorem

<https://www.youtube.com/watch?v=a7kirH7jtig&t=4s>

1. **B S Grewal higher engineering mathematics**

Practices problems Based on Module 6.

1. Find Z transform of the following:

(i) (ii) (iii) (iv) (v) (vi) (vii) (viii)

1. Find of the following by Partial fraction method:

(ii) (iii) (iv) (v) (vi) (vii) (viii)

1. Find of the following using convolution theorem:
2. (ii) (iii) (iv)
3. Evaluate 