**The Z-transform**

**Reference Book:**

Difference Equation: An Introduction with Applications- W.G. Kelley, A.C. Peterson(2nd Edition)

Formula Table: Page-107- Table-3.1

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| **Page number** | **Exercise** |
| 120 | 3.110-a, d(using derivative formula given in 3.114), e,f(using definition)  For Practice:  = , |
| 121 | 3.113 – a, b, c, f, g |
| 122 | 3.119 , 3,120 , 3.121 . |

**Page -100: Convolution Theorem:**

**Question: Using Convolution Theorem Find inverse Z transform of the following functions:-**