**BRAC University**

**MAT-215**

**Practice Sheet # 7**

1. Find the Laplace transformation of each of the following function:

.

2. Evaluate each of the following:

(*i*)  (*ii*)  (*iii*)  (*iv*) 

(*v*)  (*iv*) .

3. Determine each of the following:

(*i*)  (*ii*)  (*iii*)  (*iv*) 

(*v*)  (*vi*)  (*vii*) .

4. Evaluate each of the following using partial fraction:

(*i*)  (*ii*)  (*iii*) 

(*iv*)  (*v*)  (*vi*)  

(*vii*) .

5. Solve the given differential equation:

