ASSIGNMENT-7 SOLUTIONS

**(1)(i)√π/2(hint:put x^2=z)**

**(ii) (¾) √π**

**(iii) (1/na^(m+1/n))gamma(m+1/n)**

**(iv) 3π/256**

**(v) (s-r)^(k+q-1) β(k,l)**

**2. put x=z/(1-z)**

**Then we get I=β(n,1-n)=┌(n)┌(1-n)=π/sin nπ**