1. Evaluate 2B(10,6)
15015

2. F(x,y)â©½M is called the _____ condition.
boundedness

3. f'(x)=F(x,f(x)),f(x0)=y0 is the _____ condition
Lipschitz

4. Evaluate Î“(12)
ï€

5. A function f is said to be _____ with period T, If the domain of f contains x+T whenever it contains x and y, f(x+T)=f(x) for every value of x.
periodic

6. Evaluate Î“(4)
6

7. The coefficient of x2 in the solution of y'=1+xy by method of
1/2

8. The problem of finding a solution of Laplace equation which takes on given boundary values is known as _____ problem.
Dirichilet

9. Evaluate âˆ«01â€□tÎ±-1(1-t)Î²-1dt
B(Î±,Î²)

10. The _____ differential equation of order p is given by (1-x2)d2ydx2-2xdydx+dydx+p(p+1)y=0
Legendre

Evaluate âˆ«01â€□tÎ±-1(1-t)Î²-1dt
B(Î±,Î²)