

(* Δογματικό μοντέλο με επίδραση Allee *)

```
In[35]:= r = 0.5;  
k1 = 2;  
k2 = 6;  
tend = 20;  
n0 = 3;  
n = .;
```

```
In[41]:= Sol = NDSolve[  
  {D[n[t], t] == -r * n[t] * (1 - n[t] / k1) * (1 - n[t] / k2), n[0] == n0}, {n}, {t, 0, tend}];  
Plot1 = Plot[Evaluate[n[t] /. First[Sol]], {t, 0, tend}, PlotPoints -> 200,  
  Mesh -> False, AxesLabel -> {t, n}, PlotRange -> {{0, 20}, {0, 10}}, PlotStyle -> Blue,  
  FrameLabel -> {Style["t", FontFamily -> "MS Serif", FontSize -> 18],  
  Style["Πλήθος", FontFamily -> "MS Serif", FontSize -> 18]},  
  RotateLabel -> True, Frame -> {{Automatic, False}, {Automatic, False}}]
```

