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1. A population is a group of

- a) **individuals in a species**
- b) species in a community
- c) communities in an ecosystem
- d) individuals in a family

2. What is the most important factor for the success of animal population?

- a) natality
- b) **adaptability**
- c) unlimited food
- d) inter species activity

3. The formula for exponential population growth is

- a) **$dN/dt = rN$**
- b) $dt/dN = rN$
- c) $dN/rN = dt$
- d) $rN/dN = dt$

4. Human population growth curve is a:

- a) S shaped curve
- b) parabola curve
- c) **J shaped curve**
- d) zig zag curve

5. Exponential growth occurs when there is

- a) a great environmental resistance
- b) **no environmental resistance**
- c) no biotic potential
- d) a fixed carrying capacity

6. A human population is small, there is a greater chance of :

- a) gene flow
- b) **genetic drift**
- c) natural selection
- d) mutation

7. In a population, unrestricted reproductive capacity is called as

- a) carrying capacity
- b) biotic potential
- c) **birth rate**
- d) fertility rate

8. The concept that 'population tends to increase geometrically while food supply increases arithmetically' was put forward by

- a) Adam Smith
- b) Charles Darwin

c) **Thomas Malthus**

d) Stuart Mill

9. Two opposite forces operate in the growth and development of every population. One of them is related to the ability to reproduce at a given rate. The force opposite to it is called

a) fecundity

b) mortality

c) environmental resistances

d) biotic control

10. The carrying capacity of a population is determined by its

a) population growth rate

b) natality

c) mortality

d) limiting resources