



PART B

1.

1.1. You have been asked to study the populations given below.

- (i) Elephant (ii) Fish

a) How do you define these populations?

(i) Elephant:

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.....

(ii) Fish :

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.....

b) Name the **method/s** that you have used to determine the population size of animals in the above study (1.1).

(i) Elephant:.....

(ii) Fish :

1.2. Explain the **method/s** you mentioned in 1.1b above.

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1.3. Fill in the blanks given below with **appropriate word/s**.

A particular population grows and reproduces for years having a continuous breeding season and generations. Their population growth, mainly depends on and This type of populations show population growth in an unlimited environment and the population increase is given by the equation of

2.

2.1. What are the three possible outcomes of inter specific competition between two species?

1.....

2.....

3.....

2.2. Draw a diagram to graphically represent the stable equilibrium condition found in the above 2.1 and explain this briefly.

2.3. Explain the “Principle of competitive exclusion” using a laboratory experiment and the relevant illustrations.

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