

NEET ORGANISMS AND POPULATIONS — POPULATION ATTRIBUTES (DENSITY, NATALITY, MORTALITY, AGE PYRAMIDS) — PYQS

Max. Marks: 40

Questions: 10

Section A (MCQ) — 10 questions

Q.1 If '8' *Drosophila* in a laboratory population of '80' died during a week, the death rate in the population is _____ individuals per *Drosophila* per week. [NEET (UG) 2022]

- (1) 0.1 (2) 10 (3) 1.0 (4) zero

Scan or tap for the
full solution



Q.2 Which of the following is not an attribute of a population? [NEET (UG) 2020]

- (1) Natality (2) Sex ratio
(3) Mortality (4) Species interaction

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full solution



Q.3 Natality refers to [NEET 2018]

- (1) death rate
(2) birth rate
(3) number of individuals leaving the habitat
(4) number of individuals entering a habitat

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full solution



Q.4 In a growing population of a country, [NEET 2018]

- (1) pre-reproductive individuals are more than the reproductive individuals
(2) reproductive individuals are less than the post-reproductive individuals
(3) reproductive and pre-reproductive individuals are equal in number
(4) pre-reproductive individuals are less than the reproductive individuals.

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Q.5 A biologist studied the population of rats in a barn. He found that the average natality was 250, average mortality 240, immigration 20 and emigration 30. The net increase in population is : [NEET 2013]

- (1) 15 (2) 05 (3) 10 (4) zero

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Q.6 The age pyramid with broad base indicates :

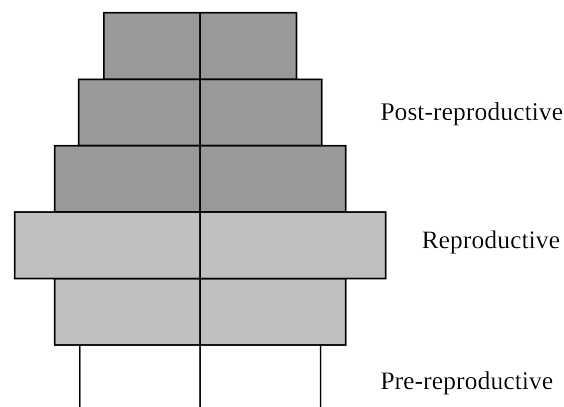
[NEET 2013 (Karnataka)]

- (1) high percentage of young individuals
(2) high percentage of old individuals
(3) a stable population
(4) low percentage of young individuals

Scan or tap for the
full solution



Q.7 What type of human population is represented by the following age pyramid? [AIPMT 2011 (Prelims)]

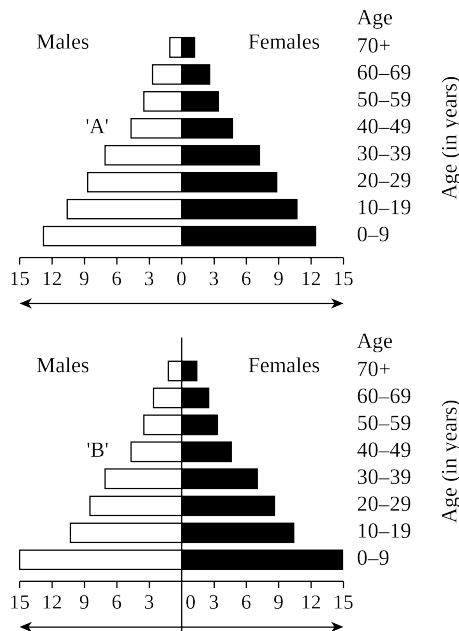


- (1) Declining population
(2) Vanishing population
(3) Expanding population
(4) Stable population

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Q.8 A country with a high rate of population growth took measures to reduce it. The figure below shows age-sex pyramids of populations A and B twenty years apart. Select the correct interpretation about them : [AIPMT 2009]



- (1) "A" is more recent and shows slight reduction in the growth rate
- (2) "B" is more recent showing that population is very young
- (3) "A" is the earlier pyramid and no change has occurred in the growth rate
- (4) "B" is the earlier pyramid and shows stabilized growth rate

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Q.9 Geometric representation of age structure is a characteristic of :- [AIPMT 2007]

- (1) Biotic community (2) Landscape
- (3) Ecosystem (4) Population

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Q.10 Certain characteristic demographic features of developing countries are - [AIPMT 2004]

- (1) High fertility, low or rapidly falling mortality rate, rapid population growth and a very young age distribution
- (2) High mortality, high density, uneven population growth and a very old age distribution
- (3) High fertility, high density, rapidly rising mortality rate and very young age distribution
- (4) High infant mortality, low fertility, uneven population growth and a very young age distribution

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	
Ans.	1	4	2	1	4	1	1	1	4	1	