

Self evaluation Lecture 34: Population

Instructions: Please read the following instructions carefully before writing your answers:

- 1) Each Question carries 1 mark.
 - 2) There are four alternatives - (A), (B), (C), (D) given against each question out of which only one is the most appropriate answer. If (A) is correct, round on the correct alternative like (A).
 - 3) **The discarded answer if any, must be crossed properly and supported by initial of the candidate.**
 - 4) If a question is answered wrongly or more than one answers are marked, 0.25 marks will be deducted for each such question.
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Q.1. In religious and philosophical literature large population is associated with:

- (A) Virtues and divinity (B) Spiritualism (C) Lack of morality (D) Burden – the age of Kali

Q.2. Karl Marx:

- (A) Was not aware of population theory (B) Attacked the Malthusian theory of population (C) Supported population theory (D) Was silent on the issue of population as he was more interested in analysis of capital.

Q.3. In 1798 Malthus wrote the famous book:

- (A) *An Essay on the Principle of Population*
(B) *Population and Religion*
(C) *Population and Justice*
(D) *Wars, Conflicts and Population*

Q.4. Malthus said that unchecked population:

- (A) Leads to need to produce more and therefore motivation to work
(B) Leads to misery and vice
(C) Is caused by reduction in means of subsistence
(D) None of the above

Q.5. Malthus did not say that:

- (A) Food is necessary for human survival (B) Passion between sexes will remain unmitigated (C) Population grows faster than the means of subsistence (D) Sex is not natural and is the cause of everything bad; sex has no good role in society

Q.6. The world population attained the first billion mark in:

- (A) 1567AD (B) 1890 AD (C) 1820 AD (D) 1998 AD

Q.7. It is estimated that world population may stabilize in:

- (A) 2050 (B) 2020 (C) 2075 (D) 2090

Q.8. Population growth became a real issue after 1930 because of:

(A) Writings of Paul Elrich (B) Writings of Ramachandra Guha (C) Increasing growth rate of population in the less developed countries and its socio-economic consequences (D) Defeat of imperialism and rise of nationalism in Asia, Africa and Latin America

Q.9. Who used the term population explosion first: (A) Paul Elrich (B) P. Sorokin (C) T. R. Malthus (D) World Bank

Q.10. According to Malthus population follows:

- (A) A logistic growth model
- (B) Geometric growth model: 1, 2, 4, 8, ...
- (C) A Gompertz model
- (D) Arithmetic growth model: 1, 2, 3, 4, ...

Subjective questions

Q.1 Write a note on Malthusian theory of population.

Q.2. What did Marx say on the Malthus's essay on population?

Q.3. What are arithmetic and geometric growth rates?

Q.4. Explain the meaning of population bomb?

Q.5. Write an essay on growth of world population in the last two centuries.

Exercises

E.1. Use the latest UNFPA data on growth rate of population (internet) and examine at what rates populations of the developed countries are growing. Was Malthus wrong in assuming that availability of means of production will raise the growth rate of population?

E.2. What factors are leading to fall in the growth rate of world population? Under what conditions will the world population stabilize?

E. 3. Using the formula for exponential growth find out that if a population is growing at rate of growth r , how much time will it take to double (doubling time) itself?

E.4. Read the book *An Essay on the Principle of Population* and explain what Malthus means by vice and misery.

E.5. Using the internet material, write an essay on demographic transition theory.