WORKSHEET 2

A. Choose the correct option.

1. Human population growth curve resembles
   a. J-shaped curve. b. zig-zag curve. c. parabola curve. d. S-shaped curve.

2. The carrying capacity of a population is determined by its
   a. limiting sources. b. natality. c. mortality. d. population growth curve.

3. Which of the following means of birth control is most effective in preventing AIDS?
   a. Condom b. Pill c. Diaphragm d. Spermicidal jelly

4. The rate at which a population grows or declines depend upon the rate of
   a. births. b. immigration. c. deaths. d. all of these.

5. Minimum age of marriage for boys is 21 years and for girls is
   a. 17. b. 18. c. 19. d. 20.

B. Match the items in Column A with those in Column B and write down the matching pairs.

Column A	Column B
1. Tubectomy	a. population dynamics
2. Demography	b. termination of pregnancy
3. Abortion	c. prevents conception
4. Birth rate	d. sterlization in females
5. Contraceptives	e. natality

C. Fill in the blanks.

1. Population increases in geometric ratio while food increases in _____ ratio.

2. _____ is misused for sex tests.

3. The addition of new individuals to the population from other localities is called _____

4. As per the UN report, the world population will reach _____ billion by year 2020.

5. _____ is the technical term used for the difference between the birth rate and death rate.

D. State whether the following statements are True or False.

1. Cow was the first domesticated animal.

2. Rapidly growing industries favoured population rise.

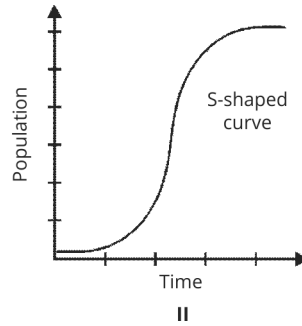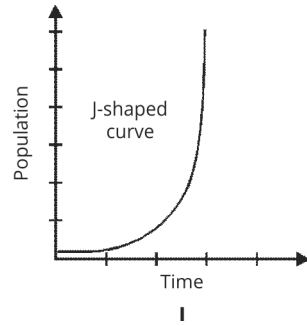3. Present human poplution growth is following arithmetic progression.

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4. Birth rate (natality) is the number of live birth per hundred people of population per decade.

5. Fossil fuels are exhaustible.

E. Observe the given diagrams I and II and answer the following questions.

1. What is a population growth curve?

2. What does the two growth curves in I and II represent?

3. Explain the term carrying capacity.

4. Briefly explain S- and J-shaped growth curves.

ANSWERS

A. Choose the correct option.

1. a. 2. a. 3. a. 4. d. 5. b.

B. Match the items in Column A with those in Column B and write down the matching pairs.

1. d. 2. a. 3. b. 4. e. 5. c.

C. Fill in the blanks.

1. arithemetic

2. Amniocentesis

3. immigration

4. 7.5

5. Growth rate

D. State whether the following statements are True or False.

1. False 2. True 3. False 4. False 5. True

E. Observe the given diagrams I and II and answer the following questions.

1. It is plotting graphically, a growth curve of population size against time.

2. **I –** J-shaped growth curve

   II – S-shaped growth curve

3. **Carrying capacity –** The maximum limit of an ecosystem that can provide basic needs to a population under certain conditions.

4. **S-growth curve –** The growth curve at first shows slow growth of population and then fast growth but finally the growth rate slows down due to several environment factors.

   J-growth curve – Sudden exponential increase in the population of species due to good environment conditions or a sudden drastic decline of species population due to adverse conditions.