

UNIT-12

POPULATION GROWTH AND WORLD FOOD SUPPLIES

آبادی میں اضافہ اور دنیا میں غذا کی فراہمی

WORDS MEANING:

Words	Synonyms.	Antonyms.
Alarming.*	Frightening, Distressing.	-----
Incessant.	Ceaseless, Continuous, Persistent.	To cease.
Growth.	Increase, Expansion.	Reduction.
Severe.	Harsh, Stern, Strict.	Polite.
Vulnerable.	Defenseless, In danger, At risk.	Safe.
Unprecedented.	Unique, Exception, Unmatched.	-----
Trend.	Inclination, Style, Fashion.	-----
Aquatic.	Marine, River, Water.	-----
Adequate.	Ample, Sufficient.	Insufficient.
Dependent.	Needy, Reliant,	Independent.
Ample.	Plenty, Abundant.	Scarcity, Paucity.
Fertile.	Productive, Luxuriant.	Infertile.
Depleted.	Tired, Useless, Washed out.	-----
Significantly.	Notably, Extensively.	-----
Productive.	Useful, Helpful.	Destructive.
Massive.	Huge, Enormous, Immense, Considerable.	Less.
Stressed.	Tensed, Strained, Worried.	Relax.
Populous.	Crowded, Packed	-----
Arable.	Suitable for cultivation.	-----
Intensive.	Exhaustive, Severe, Serious.	-----
Substitute.	Alternate, Reserve.	-----
Finite.	Limited, Restricted.	Infinite.
Escalate.	Rise, Shoot up, Soar.	-----
Assist.	Aid, Support.	Hinder.
Effective.	Successful, Helpful, Valuable.	Ineffective.
Vital.	Imperative, Essential, Critical.	-----
Sustained.	Constant, Continual, Persistent.	-----
Enhance.	Augment, Boost, Improve.	-----
Erode.	Wear down, Eat away with.	-----
Compensate.	Pay off, Give back.	-----
Integrity.	Honesty, Truthfulness, Uprightness.	Dishonesty.
Strategy.	Plan, Tactic, Stratagem.	-----
Conservation.	Protection, Preservation.	Destruction.
Sufficient.	Adequate, Ample, Plenty.	Insufficient, Inadequate
Optimum.	Best, Optimal, Finest.	Worst.
Essential.	Necessary, Vital, Critical.	Unnecessary.

۵ نسل توانائی غذائی پیداوار کے طور پر استعمال ہونے والا دوسرا اہم ذریعہ ہے دنیا کی نسل توانائی کا تقریباً اسی فیصد ترقی یافتہ ممالک استعمال کر رہے ہیں۔ ترقی یافتہ ممالک میں بڑھتی ہوئی کاشت کاری کی ٹیکنالوجی، جراثیم کش ادویات، آبپاشی کے لئے اور انسانی مشقت کے متبادل کے طور پر مشینوں کیلئے بڑی مقدار میں نسل توانائی استعمال کرتے ہیں۔ ترقی پذیر ممالک میں نسل توانائی ابتدائی طور پر انسانی مشقت کو کم کرنے کے بجائے پیداوار کی شرح کو برقرار رکھنے میں مدد دینے کے لیے کھادوں اور آبپاشی میں استعمال ہوتی رہی ہے کیونکہ نسل توانائی ایک محدود ذریعہ ہے اس کی کمی میں اسی رفتار سے اضافہ ہوتا ہے جیسے آبیاری کے لیے خوراک کی ضرورت اور خدمات کی شرح میں بھی اضافہ ہوتا ہے۔ اس طرح ایندھن کی قیمت میں ہر جگہ اضافہ ہوتا ہے۔

۶ یقیناً بہتر ٹیکنالوجی وسائل کے زیادہ موثر انتظام اور استعمال میں مدد دے گی۔ لیکن یہ ان اہم قدرتی وسائل کی لامحدود فراوانی کو بہتر نہیں کر سکتی جو کہ مسلسل اور بلا رکاوٹ زرعی پیداوار کے لیے خام مال کی حیثیت رکھتے ہیں مثال کے طور پر کھادیں تباہ شدہ زمین کی زرخیزی میں اضافہ کرتی ہیں لیکن انسان سطح زمین کا اوپر کا حصہ نہیں بنا سکتا درحقیقت موجودہ دور میں محدود نسل ایندھن سے تیار کی جانے والی کھادیں تباہ شدہ سطح زمین کو بہتر بنانے کے لیے استعمال کی جا رہی ہیں ایک پیداواری اور تسلسل کے ساتھ چلنے والے زرعی نظام کا دار و مدار مختلف اقسام کے جانوروں کی سالمیت کو برقرار رکھنے پر ہے

۷ مستقبل کی حکمت عملی زمین، پانی، توانائی اور غذائی پیداوار کے لیے ضروری حیاتیاتی ذرائع کے تحفظ اور مناسب انتظام پر مبنی ہونی چاہیے اس کے باوجود مستقبل کی نسلوں کے لیے حسب ضرورت فراہمی کو یقینی بنانے کے لیے یہ اقدامات کافی نہیں ہونگے جب تک کہ اس کے ساتھ ساتھ انسانی آبادی میں اضافے کو بھی نہ روکا جائے مختلف تحقیقات نے یہ تصدیق کی ہے کہ ساری دنیا میں زندگی کے نسبتاً اعلیٰ معیار کو برقرار رکھنے کے لیے دنیا کی آبادی کو دو ارب سے کم کی سطح پر برقرار رکھا جانا چاہیے اس لیے اب سے لے کر اس وقت تک جب مناسب آبادی کی حد حاصل نہ کر لی جائے، زمین پانی اور حیاتیاتی ذرائع کے تحفظ کے لیے حکمت عملی کا موثر طریقہ سے نفاذ کرنے کی ضرورت ہے ہر جگہ ایک صحت مند اور مناسب ماحول کو برقرار رکھنا اہم بات ہے۔

VOCABULARY

A. Give meaning of each word as used in the text.

Word	Meaning
Incessant	Continuous مسلسل لگاتار
Adequate	Sufficient کافی
Integrity	Righteousness سالمیت
Declining	Decreasing انحطاط پذیر
Pesticides	Chemicals used to kill insects حشرات کش ادویات
Massive	Huge بڑا
Sustained	Lasting, Maintained باقی
Eroded	Spoiled کھسی ہوئی
Unprecedented	Unparalleled, Unpredictable جس کی پہلے کوئی مثال نہ ہو

B. Make sentences of the following words.

Word	Sentences
Ample	There was ample food in the fortress to feed the people for a month.
Depleted	By taking some precautionary measures the virus of T.B has depleted throughout the world.
Critical	The patient is in critical condition.
Current	The current situation is leading towards a disaster.
Enhance	It is difficult to enhance your salary in the current situation.
Optimum	He has planned to get optimum benefit from his new business.

C. Complete the following sentences with words beginning with prefix dis- or un-.

- My shoe is untied.
(not tied)
- Waqar disagrees with Nazish.
(does not agree)
- Ali is unable to beat me in the video game.
(not able)
- Waheed disobeys his parents.
(does not obey)
- Our teacher says she does not want unfinished home works handed in.
(not finished)

TEXTUAL QUESTIONS

(i) What does the word "depleted" mean?

Ans. The word depleted means deduction, reduction, declined and decreased.

(ii) Do you also face shortage of water in your locality, why?

Ans. Yes, we also face shortage of water because of underground water storage level is falling. Our water resources like rivers, canals have shortage of water at present.

(iii) How is fossil energy a finite source?

Ans. Fossil energy is finite and limited source because it is found very less in quantity. Moreover its acquisition costs much, that is why it is rarely acquired and used.

(iv) What other word you can use to replace "Optimum"?

Ans. The word optimum can be replaced by maximum, peak, utmost and ideal.

"best possible"
"most favourable"

READING COMPREHENSION**A. Answer the following questions.**

1. Which area is most affected by incessant growth in population?

Ans: Developing countries are most affected by incessant growth in population.

2. Why are developing countries going to suffer more due to over population?

Ans: Because their population is growing at an alarming rate but the food supply is not to support such a large population and the per capita availability of food grain declining for the past 25 years.

B. Replace each adverb clause by an adverb or adverb phrase.

1. I have not been well since I returned from Murree.
I have not been well since my return from Murree.
2. I am glad that he has recovered from his illness.
I am glad at his recovery from his illness.
3. As soon as I saw the cobra I ran away.
At the sight of cobra I ran away.
4. He may go home after his work is finished.
He may go home after finishing his work.
5. I didn't pay her, as I had no money with me.
I didn't pay her because of shortage of money.

C. Underlined the adverb clauses in the following sentences and state whether each is an adverb clause of time, place, reason, purpose, result, manner, comparison, or concession.

1. The frightened child ran as fast as he could manner
2. Even if they hurry, they may not get there on time. condition
3. The player is out of the match because he has hurt himself. reason
4. If she recovers quickly, she will join the team. condition
5. The speaker was so absorbed in his speech that he forgot the time. result
6. She switched on the television so that she could listen to the news. purpose
7. They left before the concert ended. time
8. He acted as if he owned the car. manner
9. Where the road bends dangerously, be more careful. place
10. He will get a good job when he graduates. time

D. Match the two clauses and make meaningful sentences.

1. The rain started	a. if you don't try hard
2. I wrote many books	b. because the director did not show up
3. They had to cancel the meeting	c. he went out without an umbrella
4. You won't succeed	d. while I was driving home
5. Although it was raining	e. before I was awarded the literature prize

ANSWERS

Q.No.	1	2	3	4	5
Ans	d	e	b	a	c