

Text I

In almost all developing countries, the lack of adequate supplies of cheap, convenient and reliable fuel is a major problem. Rural communities depend largely on kerosene, wood and dung for their cooking and lighting needs. But kerosene is now priced out of reach of any people and wood, except in heavily forested areas, is in short supply. The search for firewood occupies a large part of the working day and has resulted in widespread deforestation.

Dung is in constant supply wherever there are farm animals and, when dried, it is convenient to store and use. But burning dung destroys its value as fertilizer, thus depriving the soil of a much needed source of humus and nitrogen.

Rural areas of developing countries are also plagued by a lack of adequate sanitation. Improper waste disposal spreads disease, contaminates water sources and provides breeding grounds for disease-carrying insects.

The problems of improving environmental hygiene, conserving resources, and finding alternative sources of fuel, may be unrelated. Their solutions, however, are not, as many countries experimenting with biogas technology are discovering. Biogas, a mixture of methane and carbon dioxide, is produced by the fermentation of organic matter. The process of anaerobic fermentation is a natural one, occurring whenever living matter decomposes. By keeping the matter - and the process - in a digester of biogas plant, the combustible gas can be trapped and used as fuel for household lighting and cooking. The digested slurry that remains can be used on the land as a soil conditioner and fertilizer.

UMPTN-99-66

What are the two main problems mentioned in the text?

- A. Pollution and the high price of fuel
- B. Widespread deforestation and the use of dung
- C. The lack of adequate fuel and hygienic conditions
- D. The lack of humus and nitrogen in the soil
- E. Contaminated water sources and rural areas

UMPTN-99-67

What is the text mainly about?

- A. Socio-economic problems in developing countries
- B. The process of producing biogas
- C. The effect of burning dung on the soil
- D. Biogas as a solution to many problems
- E. The disadvantages of using dung as fuel

UMPTN-99-68

The disadvantage of traditional fuels used in developing countries is the they

- A. reduce people's energy
- B. are difficult to extract
- C. C, make the soil poor
- D. D, do not meet people needs
- E. cause damage to the environment

UMPTN-99-69

The main factor causing the lack of adequate sanitation is

- A. the domestic use of biogas
- B. the great number of farm animals
- C. the pollution of water sources
- D. the badly-managed waste disposal
- E. the increase of disease-carrying insects

UMPTN-99-70

Why is the digested slurry of the fermented organic matter considered valuable?

- A. It improves the quality of the soil for agriculture.
- B. It increases the export from developing countries.
- C. It is considered a relatively cheap fertilizer.
- D. it is the best fertilizer in the world.
- E. It can be used as fuel for cooking.

Text II

Hurricanes generally occur in the North Atlantic from May through November, with the peak of the hurricane season in September; only rarely will they occur from December through April in that part of the ocean. The main reason for the occurrence of hurricanes during this period is that the temperature on the water's surface is at its warmest and the humidity of the air is at its highest.

Of the tropical storms that occur each year in the North Atlantic only about five, on the average, are powerful enough to be called hurricanes. To be classified as a hurricane, a tropical storm must have winds reaching speeds of at least 117 kilometers per hour, but the winds are often much stronger than that; the winds of intense hurricanes can easily surpass 240 kilometers per hour,

UMPTN-99-71

The passage mainly discusses

- A. the number of hurricanes in a year
- B. the strength of hurricanes
- C. the weather in the North Atlantic
- D. hurricanes in a certain part of the world
- E. hurricanes and disasters of the world

UMPTN-99-72

Which of the following is TRUE according to the text?

- A. There are always hurricanes in the North-Atlantic all year round.
- B. Extremely warm weather and high humidity can cause hurricanes.
- C. Very strong winds are the result of hurricanes.
- D. Hurricanes occur every month from May to November.
- E. Tropical countries have a lot of intense hurricanes.

Text III

There are many different causes of car accidents in the United States. Sometimes accidents are caused by bad weather. Ice or snow can make roads very dangerous. Accidents can also result from problems with the car. Even a small problem like a flat tire can be serious. Bad roads are another cause of accidents. Some accidents are caused by drinking too much alcohol. In fact, this is one of the most important causes of accidents.

UMPTN-99-73

What is the paragraph about?

- A. Problems with car engines
- B. Results of car accidents
- C. The frequency of car accidents
- D. Weather conditions in the US
- E. Car accidents and their causes

UMPTN-99-74

Car accidents in the US are caused by the following.

- A. drunken drivers
- B. bad roads
- C. unskilled drivers
- D. icy roads
- E. a flat tire

Text IV

How much living space does a person need? What happens when these space 75 are not adequately met? Sociologists and psychologists are conducting experiments on rats to try 76 the effects, of overcrowding on humans. Recent studies have shown that the behaviour of rats is greatly affected by space. If rats have adequate living space, they eat well, sleep well, and reproduce well. But if their living conditions become too crowded their behaviour patterns and even their health change 77... They cannot sleep and eat well, and signs of fear and tension become 78 - The more crowded they are the more they tend to bite each other and even kill each other. 79 for rats, population and violence are directly related. Is this a natural law for human society as well? Is adequate space not only desirable but essential for human survival?

UMPTN-99-75

- A. requirements
- B. influences
- C. problems
- D. resources
- E. possibilities

UMPTN-99-76

- A. to emerge
- B. to propose
- C. to imagine
- D. to examine
- E. to simplify

UMPTN-99-77

- A. to perceive
- B. B, perceptibly
- C. Perceptive
- D. Perceptible
- E. perception

UMPTN-99-78

- A. tremendous
- B. registered
- C. concise
- D. obsolete
- E. obvious

UMPTN-99-79

- A. However
- B. Yet
- C. Thus
- D. Moreover
- E. Finally

UMPTN-99-80

Different interpretations on the same event by various newspapers readers confused and angry.

- A. to make
- B. they make
- C. make
- D. it makes
- E. makes

UMPTN-99-81

The work ... computers requires well-trained personnel.

- A. involved
- B. involve
- C. to be involved
- D. involves
- E. .involving

UMPTN-99-82

Did I tell you about the girl I met during the student demonstration last week?

- A. who
- B. whose
- C. whom
- D. of which
- E. with whom

UMPTN-99-83

'You look so unhappy, Anton. What's the matter?'

'My father ... his job.'

- A. has just lost
- B. has been losing
- C. losing
- D. is losing
- E. loses

UMPTN-99-84

He asked me whether he... my car to go to the party.

- A. can borrow
- B. might borrow
- C. ought to borrow
- D. may borrow
- E. would borrow

UMPTN-99-85

- We were planning to open a new office in Surabaya.
.... the economic crisis forced us to postpone it
- A. and
 - B. or
 - C. so
 - D. but
 - E. for

UMPTN-99-86

- 'What did Adi finally decide?'
'... his Master's degree in Australia.'
- A. He can take
 - B. His taking
 - C. Taking
 - D. Betaking,
 - E. To take

UMPTN-99-87

- Have you already been told ...?
- A. if the Jazz Festival takes place
 - B. when the Jazz Festival will take place
 - C. whether the Jazz Festival takes place
 - D. why does the Jazz Festival take place
 - E. where does the Jazz Festival take place

UMPTN-99-88

- I am still waiting ... for an interview.
- A. o be called
 - B. be called
 - C. be calling
 - D. to call
 - E. called

UMPTN-99-89

- 'Why didn't you print your report at home?'
'I ran out of ink for my printer. It's ... expensive that I can't afford it.'
- A. such
 - B. very
 - C. so
 - D. such an
 - E. very much

UMPTN-99-90

- I could not find the museum you told me about.
I ... the wrong bus.
- A. must have taken
 - B. should have taken
 - C. should take
 - D. would have taken
 - E. ought to take

UMPTN-99-91

- 'When did you take the academic writing course?'
'Late year, after I... Composition II.'
- A. complete
 - B. was complying
 - C. to complete
 - D. have completed
 - E. had completed

UMPTN-99-92

- 'Let's go and have lunch.'
'I'll join you later. I had better not stop ... on this report now.'
- A. work
 - B. to work
 - C. I'll work
 - D. working
 - E. am working

UMPTN-99-93

- 'Having been defeated three times in a row, the boxer .decided to give up fighting' means:....
- A. Although he was defeated three times in a row, he decided to give up fighting.
 - B. He decided to give up fighting after he had been defeated three times in a now
 - C. As he had decided to give up fighting, "he was defeated three times in a row
 - D. He decided to give up fighting, so he was defeated three times in a-row
 - E. When he decided to give up fighting, he was defeated three times in a row

UMPTN-99-94

- 'Why are you taking the car to the garage?'....'.
- A. I will check the brakes myself
 - B. The brakes will be checked
 - C. I will have checked the brakes
 - D. I will have the brakes checked
 - E. The. brakes will have been checked

UMPTN-99-95

- 'If the plane bad taken off on time, we wouldn't have been late for the opening of the seminar.'
This mean that we were late because the flight....
- A. was delayed
 - B. has to be delayed
 - C. was going to be delayed
 - D. had not been delayed
 - E. was not delayed