

B.E / B.Tech DEGREE EXAMINATION- March/ April 2011
ALL BRANCHES
REGULATION 2008
I SEMESTER (ARREARS)

62

HS 9111 – TECHNICAL ENGLISH I

Time: 3Hours

Marks:100

Answer all Questions
Part A 5x2=10

1. Match the words in column A with their meanings in column B:

$\frac{1}{2} \times 4 = 2$

A	B
i) stagnant	a person with extraordinary capacity
ii) architect	remaining on the surface
iii) genius	not moving or changing
iv) floatation	one who designs buildings

2. Complete the table with the correct form of words using suffixes:

$\frac{1}{4} \times 8 = 2$

Noun	Verb	Adjective
i) _____	construct	_____
ii) _____	specialize	_____
iii) _____	_____	attractive
iv) Production	_____	_____

3. Fill in the blanks with the correct tense form of the verbs given in brackets:

$\frac{1}{2} \times 4 = 2$

The NCC cadets _____ (undergo) a one day training programme last month. The officer _____ (teach) them the use of first aid in dangerous situations. The cadets _____ (find) it very useful and they _____ (practice) it in college.

4. Add suitable prefix (un, im, in, ir) to the words given and form negatives:

$\frac{1}{2} \times 4 = 2$

- | | |
|--------------|--------------|
| i) Skilled | ii) reliable |
| iii) perfect | iv) active |

5. Give the passive form of the sentences given:

$1 \times 2 = 2$

- i) The minister inaugurated the new bus stand.
- ii) The government has constructed a flyover to regulate traffic.

6. Define the following in a single line: 1x2=2

- a) A computer b) A generator

7. Complete the following sentences using "If - clauses" 1x2=2

- i) If you switch off the lights and fans, -----.
ii) If the people had saved water, -----.

8. Expand the following compound nouns: 1x2=2

Eg: *energy source - source of energy*

- i) wind power -
ii) video- screen -

9. Fill in the blanks with the comparative forms of the adjectives given in brackets: $\frac{1}{2} \times 4 = 2$

The bullet train in China runs _____ (fast) than the ordinary electric trains. The engines are _____ (efficient) and _____ (powerful). Travelling in them is also _____ (safe) compared to other forms of transport.

10. Use the correct modal auxiliaries: $\frac{1}{2} \times 4 = 2$

You _____ attend the programme if you have time but you _____ take part in the cultural events. The winning team _____ be given a trophy and this _____ be preserved for a year.

Part B (16x5=80)

11. Read the following passage and answer the questions that follow it.

The latest buzz word in the continuing debate about the environment is 'sustainable management' - that means using plants and animals for our own benefit, but ensuring that enough are left alive to guarantee the survival of the species. This sounds good, but is it practical in reality? In spite of years of scientific research, no-one really knows how much damage human beings are doing to their environment. We know that they are responsible for many problems ranging from global warming to ozone depletion, and there is no doubt that they have a devastating effect on animal and plant life on Earth.

About 50,000 animal and plant species are becoming extinct every year. All species depend in some way on one another for survival. If you remove one species from this complex web of interrelationships, we have little idea of the repercussions on the ecosystem in general. What makes things more complicated is the fact that unlike global warming - which, if the political

will was there, could be reduced by cutting gas emissions - preserving bio-diversity remains a difficult dilemma.

There are also questions about whether sustainable management is practical as far as protecting areas of great bio-diversity such as the world's tropical forests are concerned. In theory, the principle should be the same as with elephants; i.e. to cut a number of trees, but not so many as to completely destroy the forest.

Sustainable management of trees requires controls on the number of trees which are cut down as well as investment in replacing them. Most tropical forests exist in poor countries which depend on logging to make money. For most loggers in these countries, making money means cutting down as many trees as possible in the shortest time. The prices of trees remains stable, varying by 4-5% annually, whereas interest rates in most developing countries can create 15% or more in returns. It therefore makes little sense, and certainly no economic sense, to delay tree-felling.

One solution could be to insist that wood comes from sustainably managed forests. In theory, consumers would buy only this wood and force logging companies to go "green" or else out of business. Unfortunately, unrestricted logging is more profitable than wood from sustainably managed forests which would cost up to 5 times more to control. Consumers would not be prepared to pay the extra sum just to protect the environment.

The sad fact is that there is no practical solution to protecting vegetation and wildlife of tropical forests in the future. It is estimated that these forests contain anything from 50 to 90 per cent of all animals and plant species on Earth. In one study of a 5km square area of rain forest in Peru, for example, scientists counted 1,300 species of butterfly and 600 species of bird. In the entire USA only 400 species of butterfly and 700 species of bird have been recorded. Sustainable management represents a gigantic experiment. If this doesn't work, we can't move to another planet to escape. It's a case of one planet, one experiment!

A. Complete the following statements using the correct words: (6x1= 6)

1. Man is responsible for _____...
2. The term 'sustainable management' means using plants and animals for our own benefit, but.. _____
3. All species depend in some way on one another _____.
4. Sustainable management of trees requires controls on _____.
5. People in poor countries which depend on _____.
6. Scientists counted 1,300 species of butterfly and 600 species of bird _____.

B. Choose the option that best represents the meaning of the following words as they are used in the text.(6 x 1 = 6)

1. depletion
 - a. fatigue
 - b. reduction
 - c. deficiency
 - d. emptiness

Or

- b) As the cities grow the agricultural lands are converted to building sites. Give your opinion on preserving of agricultural lands.

15a) Arrange the following sentences in sequential order:

- i) Collect sea water in a pond or other dedicated reservoir and expose the sea water to the sun.
- ii) Now you drain the brine into harvesting or crystallization ponds or salting tables.
- iii) This is where the sodium chloride--salt--finally crystallizes on the bottom of the pond.
- iv) Finally, you wash the salt and package it for sale or personal use.
- v) Now it is called brine, a concentrated blend of water and different dissolved salts.
- vi) You will allow the water to evaporate until your water is approximately 5 percent salt.
- vii) Salt is obtained from sea water.
- viii) Next, drain the brine through a series of evaporation ponds or basins to siphon off the calcium sulphate (lime).

Or

- b) Read the passage and make a flow chart of it:

Making coconut oil

Take the coconuts and open them up. Remove the coconut meat with a screw driver. If any coconut smells bad, throw it out. Then blend the coconut in a 600 watt blender. Strain the coconut milk using a fine cloth. Allow the coconut milk to ferment by leaving it for 24-48 hours. After 1 or 2 days the oil will be near the top. At this point, pour it into a convenient container to get the oil off the top. When the oil separates, pour it in a container and put it in the refrigerator. After few hours cut the bottle and slice out the coconut oil.