

11/01/12

B.E./B.Tech DEGREE EXAMINATION

All Branches

Second Semester

HS-8251 Technical English II

Time: 3 hours

Max. Marks: 100



Part-A (2x10=20)

1. Match the words in column A with their meanings in column B (1/2x4=2)

A	B
Nutrition	native
Indigenous	objective, result aimed at
Target	conservation
Preservation	nourishment

2. Fill in the gaps in the following sentences with suitable prepositions. (1/4x8=2)

The mini TV is very popular \_\_\_\_\_ our younger customers.  
 If you are serious \_\_\_\_\_ going ahead with this, let's have a meeting.  
 The Bordeaux region of France is famous \_\_\_\_\_ its fine wines.  
 The progress \_\_\_\_\_ the field \_\_\_\_\_ chemistry has resulted \_\_\_\_\_ the development \_\_\_\_\_ all kinds \_\_\_\_\_ industries.

3. Join the causes in column A with the effects in column B using cause and effect expressions like, 'because', 'because of', 'caused by', 'due to', 'owing to' etc. and make complete sentences. (2 marks)

A	B
Loud horns and blaring loudspeakers	damage to ear-drums
Depletion of bamboo forests	increase in soil erosion
Chemical pollution	greenhouse effect and ozone depletion
Construction of big dams	evacuation of thousands of families

4. Fill in the blanks in the table given below with the appropriate forms of the words. (1/4x8=2)

Noun	Adjective	Person Concerned
e.g. Geology	geological	geologist
Chemistry	_____	_____
Economics	_____	_____

5. Make sentences expressing purpose using the hints given below. (1x2=2)

e.g. aerial: receive broadcast signals

An aerial is used to receive broadcast signals. An aerial is used for expressing broadcast signals.

- Carbon paper : make duplicate papers
- Barometer: measure atmospheric pressure

6. Rewrite the following sentences in the reported speech. (1x2=2)

- The announcer said, "The Cheran Express is late by two hours".
- The director said, "The Company has not been able to achieve its production target this year".

7. Make antonyms of the following words by adding suitable prefixes. (1/2x4=2)

Relenting                  purity                  sensitive                  advantage

8. Define any two of the following terms. (1x2=2)

Computer                  robot                  syringe

9. Complete the following if clause sentences suitably. (1/2x4=2)

- If I have time this weekend \_\_\_\_\_.
- If I feel tired this evening, ... \_\_\_\_\_.
- If I have finish work early, ... \_\_\_\_\_.
- If I go holiday this year, ... \_\_\_\_\_.

10. Fill in the blanks with the verbs in brackets, using the present simple or present continuous. (1/2x4=2)

In many ways, the economic outlook is good. Unemployment \_\_\_\_\_ (fall) and is now down to 80% from 14%. The economy \_\_\_\_\_ (grow) at a rate of 2.5%. However, the real danger is that inflation \_\_\_\_\_ (begin) to rise. This is dangerous because every time that inflation \_\_\_\_\_ (go) up, people always demand higher wages.

Part B (5x16=80)

11. Read the passage given below and answer the questions.

**Insects could be the planet's next food source ... even if that gives you the creeps**

Tracy McVeigh 2 March, 2013

1 Crunchy, full of protein and to be found under a rock near you. Insects have long been overlooked as food in all but a handful of places around the world – but now they are crawling closer and closer to our plates. Spring 2013 will see a drive towards removing the yuck factor and putting insects not just on experimental gastronomic menus but also on supermarket shelves.

2 In April, there will be a festival in London, Festival:2013 – a Wellcome Trust-backed insect appreciation event where the consumption of creepy-crawlies comes high on the agenda. It will feature a two-day "pop-up" restaurant by the Nordic Food Lab, the Scandinavian team behind the Danish restaurant Noma, which brought ants to the table for a sellout ten-day run at Claridge's hotel in Mayfair in 2012.

3 Noma has been named the world's best restaurant by *Restaurant* magazine for three years running. Its chef, René Redzepi, says that ants taste like lemon, and a purée of fermented grasshoppers and moth larvae tastes like a strong fish sauce. Bee larvae make a sweet mayonnaise used in place of eggs and scientists are constantly coming up with new ways to use little creatures.

4 In March, a BBC documentary will feature food writer Stefan Gates searching out and eating deep-fried locusts and barbecued tarantulas. But, behind all the gimmicks and jokes about flies in the soup there is a deeply serious message. Many experts believe there is a clear environmental benefit to humans eating creepy-crawlies.

5 The UN's Food and Agriculture Organization (FAO) has been funding projects since 2011 aimed at promoting the eating and farming of insects in south-east Asia and Africa, where an estimated two billion people already eat

insects and caterpillar larvae as a regular part of their diet. In 2012, the FAO published a list of 1,909 edible species of insect and, with sponsorship from the Dutch government, plans a major international conference on "this valuable food source" in 2013.

6 Insects are plentiful – globally, for every human there are 40 tonnes of insects – so there is not too much chance of them being endangered, and they are unlikely to have been dosed with chemicals. "I know it's taboo to eat bugs in the western world, but why not?", Redzepi has said. "You go to south-east Asia and this is a common thing. You read about it from all over the world, that people are eating bugs. If you like mushrooms, you've eaten so many worms you cannot imagine. But also we eat honey, and honey is the vomit of a bee. Think of that next time you pour it into your tea."

7 He said that the basic premise behind Nordic Food Lab was: "Nothing is not edible."

8 Insects are critical to life on Earth and, with more than a million species, are the most diverse group of creatures on the planet, yet they are misunderstood, hated and often put to death by humans just because they are there.

9 Over the next 30 years, the planet's human population will increase to nine billion. Already one billion people do not get enough food. The increase will mean more pressure on agricultural land, water, forests, fisheries and biodiversity resources, as well as nutrients and energy supplies.

10 The cost of meat is rising, not just in terms of hard cash but also in terms of the amount of rainforest that is destroyed for grazing or to grow feedstuff for cattle. There is also the issue of methane excreted by cows. The livestock farming contribution, in terms of greenhouse gas emissions, is enormous – 35% of the planet's methane, 65% of its nitrous oxide and 9% of the carbon dioxide.

11 Edible insects emit fewer gases, contain high-quality protein, vitamins and amino acids, and have a high food-conversion rate, needing a quarter of the food intake of sheep, and half of pigs and chickens, to produce the same amount of protein. They emit fewer greenhouse gases and less ammonia than cows and can be grown on organic waste. China is already successfully setting up huge maggot farms. Zimbabwe has a thriving mapone caterpillar industry and Laos was given nearly \$500,000 by the FAO to develop an insect-harvesting project. It's already big business in the UK, though not always official: a man was recently detained by Gatwick customs as he stepped off a flight from Burkina Faso with 94 kilos of mapone, worth nearly £40,000, in his luggage.

12 A study by FoodServiceWarehouse.com suggested that swapping pork and beef for crickets and locusts could help to reduce greenhouse gas emissions by as much as 95%. But perhaps the fairest thing about eating worms and insects comes when we are dead – then they get a chance to nibble their own back.

**Choose the best answer according to the text. (1x4=4)**

1. Why do many experts believe people should eat insects?
  - a. because they contain more protein than animals
  - b. because insects taste like fish or eggs
  - c. because there is clear environmental benefit
  
2. Why don't people in the western world eat insects?
  - a. because there is a taboo around eating insects
  - b. because they are difficult to find in temperate climates
  - c. because they don't like the taste
  
3. How would eating insects rather than animals benefit the environment?
  - a. Fewer greenhouse-gases would be emitted.
  - b. There would be fewer locusts to damage crops.
  - c. There would be even more species of insect.
  
4. Why is the debate about eating insects so topical now?
  - a. because insects will soon appear on supermarket shelves
  - b. because the Earth's population will increase to nine billion over the next 30 years and there won't be enough food to feed everyone
  - c. because it is much cheaper to eat insects than meat

Match the words in the left-hand column with the definitions in the right-hand column. (6x1=6)

- |                |  |
|----------------|--|
| 1. caterpillar | a. a small insect that lives under the ground in large organized groups called colonies              |
| 2. tarantula   | b. an insect similar to a butterfly that flies mostly at night                                       |
| 3. grasshopper | c. a creature with a long soft body and no bones or legs.  |
| 4. moth        | d. a large insect with long black legs that moves by jumping and makes short high sounds.            |
| 5. ant         | e. a small, long, thin insect with many legs that eats plants and develops into a butterfly or moth. |
| 6. worm        | f. a large, poisonous spider that lives in Central and South America.                                |

III Complete the sentences with the correct form of the word in brackets at the end of each sentence.

(6x1=6)

1. The \_\_\_\_\_ of insects is the central theme of Festival 2013. [CONSUME]
2. An increase in the world's population will put more pressure on \_\_\_\_\_ land. [AGRICULTURE]
3. Insects can be grown on \_\_\_\_\_ waste. [ORGAN]
4. Replacing meat with insects could reduce greenhouse gas \_\_\_\_\_ by 95%. [EMIT]
5. Insects are already on \_\_\_\_\_ gastronomic menus. [EXPERIMENT]
6. China is already \_\_\_\_\_ setting up huge maggot farms. [SUCCESS]

12a. Write a set of eight recommendations on the ways in which the problem of air pollution can be tackled in a metro like Chennai.

OR

12b. Write a set of eight recommendations to reduce noise pollution in cities.

13a. Write an essay not exceeding 200-250 words on the ways in which computers are useful to students.

OR

13b. Write an essay not exceeding 200-250 words describing the benefits and drawbacks of technology.

14a. You are working in a chlorine factory where there has been a fire in the computer section of the factory, there has been loss of life and machinery. The General Manager has asked you to conduct an investigation and present preliminary report of the same. In your report

- Explain the objectives of the study
- The instruments used to collect data
- The extent of damage to people and machinery and
- Recommendations to prevent such accidents in the future

OR

14b. You are one of the members of the organizing team of Techofes '14. The Dean has asked you to conduct a survey among your classmates to find out the popularity of the music show, which is a part of the cultural fest. Your survey report should,

- Describe Techofes-
- Give five questions which you could use to get the views of your classmates
- The conclusions you arrive at based on their answers. (Use only a sample of 10 students)

15a. Reply to the given advertisement. Honda , a 50 crore plus company, the leader in the automobile industry, requires qualified B.E./B.Tech graduates with 10 to 12 years experience in the field for the post of Deputy Manager, Design and Development for their new office in Noida. Interested candidates may apply with their complete bio-data to the address given below.

Human Resources Manager

Honda Motorcop Pvt. Ltd.

No, 15, West Bank Street

Jotish Nagar

Noida

OR

15b. PSR College of Engineering and Technology, Chengalpattu district, requires qualified individuals for the post of Assistant Professor in all branches of engineering and technology. Interested candidates can apply with their complete application to the address given below.

The Correspondent

PSR College of Engineering and Technology

Chengalpattu Taluk

Chengalpattu