

B.E/B.TECH. DEGREE EXAMINATIONS: NOV/DEC 2010

First Semester

ENG101: TECHNICAL ENGLISH

(Common to all Branches)

Time: Three Hours

Maximum Marks: 100

Answer ALL Questions:-

PART A (10 x 1 = 10 Marks)

(Write the Q. No, the correct choice & then the relevant answer)

1. Select the correct verb which agrees to the following.

Neither you, nor I, nor anyone else _____ the answer.

- a) know b) knows c) is known d) have been known.

2. Find the suitable preposition

Kerala abounds _____ coconut trees.

- a) in b) for c) to d) upon

3. Write the correct spelling

- a) maintainance b) maintainence c) maintenance d) maintanance

4. Pick out the correct expansion of the nominal compound **Lock nut**.

- a) nut made of lock b) nut of the kind that locks
c) nut used for locking d) lock of the nut type

5. Fill in the blanks with the appropriate tense form.

A team of experts _____ (visit) the flood-hit areas now.

- a) visit b) visits c) is visiting d) are visiting

6. Insert the correct article in the blank

_____ Himalayas stand as sentinel to our country.

- a) a b) an c) the d) zero article

7. Write the correct modal verb.

I _____ go to Manchester tomorrow on business (to do by force)

- a) have to b) may c) can d) would

8. Select the adjective form of **environment**

- a) environmentalist b) environed c) environmentation d) environmental

9. Opt the correct tag to the following

She sings songs beautifully

- a) does she? b) doesn't she? c) isn't she? d) don't she?

10. Fill in the blanks with the suitable forms of verb:

The country will prosper, if brain drain _____ (check)

- a) is checked b) was checked c) would check d) checks

PART B (10 x 1= 10 Marks)

11. Fill in the blanks with correct tense forms

Rice husk ----- (obtain) from the rice mills. It _____ (produce) in such large quality that its disposal becomes a problem. When it _____ (burn) under controlled temperature in a furnace it _____ (leave) a residue in the form of a highly reactive ash.

12. Add appropriate tag to the following sentences?

- a) Let us go for a walk _____? b) He will come _____

13. Frame a suitable 'Wh' questions for the statements given below:

- a) She passed the examination last year.
b) Gopal knows the answer to this question.

14. Expand the following noun phrases.

- a) grease gun.
b) Temperature drop

15. Change the following statements into imperative.

- a) Concentrated sulphuric acid should be added.
b) These machines should be operated carefully.

16. Use infinitives to the following:

- a) Teach me swim
b) Mary hates riding her bicycle to school.

17. Rewrite the following active voice into impersonal passive voice.

- a) He will execute the orders of the teacher promptly
b) Everyone uses internet to communicate.

18. Edit the following passage.

communication is essentially a social affair man as evolved a host of different systems of communications which render social life possible. Social life not in the sense of living in packs for hunting or for making war but in a sense unknown to animals.

19. Complete the sentences using an appropriate clause:

- a) I would have informed the results, _____.

- (ii) There is ,in fact, quite a lot of industry in Oxford.
- (iii) As you leave the centre and go towards the outskirts of Oxford you can see industrial estates and a car factory in one direction, and in another, attractive suburbs.
- (iv) Like all English towns, there are parks, and ‘The Parks’ is the leafy home of university cricket in the summer months.
- (v) Oxford is an exceptionally old university town, on the River Thames, about 60 miles from London.
- (vi) All around the crossroads at the very heart of Oxford, Carfax, there are grey stone Colleges and other university buildings. In the centre you can also find interesting old stores and paved passages.
- (vii) Unlike modern university towns, where you usually find the university on the edge of the towns, or on its own campus, Oxford’s centre is the university.

(OR)

- b) Imagine that you are a student in second year, Mechanical Engineering. You like to go for in-plant training for 2 weeks in Ford India Ltd. Write a letter to Human Resources Department seeking permission for practical training.

25. Read the passage given and make notes on it.

Let us take a brief look at the planet on which we live. As earth hurtles through space at a speed of 70,000 miles per hour, it spins, as we all know, on its axis, which causes it to be flattened at the Poles. Thus, if you were to stand at sea level at the North or South Pole you would be 13 miles nearer the centre of the earth than if you stood on the Equator.

The earth is made up of three major layers – a central core, probably metallic, some 4000 miles across, a surrounding layer of compressed rock and to top it all a very thin skin of softer rock, only about 20 to 40 miles thick – that’s about as thin as the skin of an apple, talking in relative terms.

The pressure on the central core is unimaginable. It has been calculated that at the centre it is 60 million pounds to the square inch, and this at a temperature of perhaps 10,000 degrees Fahrenheit. The earth’s interior, therefore, would seem to be of liquid metal and evidence for this is given by the behaviour of earthquakes.

When an earthquake occurs, shock waves radiate from the centre just as waves radiate outwards from the point where a stone drops into a pond. And these waves pulsate through the earth’s various layers. Some waves descend vertically and pass right through the earth, providing evidence for the existence of the core and an indication that it is fluid rather than solid. Thus, with their sensitive instruments, the scientists who study earthquakes, the seismologists, can in effect X-ray the earth.

Iceland is one of the most active volcanic regions of the world .and it was to Iceland that Jules Verne sent the hero of his book ‘A Journey to the Centre of the Earth’. This intrepid explorer clambered down the opening of an extinct volcano and followed its windings until he reached the earth’s core. There he found great oceans, and continents

with vegetation. This conception of a hollow earth we now know to be false. In the 100 years since Jules Verne published his book, the science of vulcanology, as it is called, has made great strides. But even so the deepest, man has yet penetrated is about 10,000 feet. This hole, the Robinson Deep mine in South Africa, barely scratches the surface; so great is the heat at 10,000 feet that were it not for an elaborate air-conditioning system, the miners working would be roasted. Oil borings down to 20,000 feet have shown that the deeper they go, the hotter it becomes.

The temperature of the earth at the centre is estimated to be anything between, 3,000 and 11,000 degrees Fahrenheit. Some scientists believe that this tremendous heat is caused by the breaking – down of radio – active elements, which release large amounts of energy and compensate for the loss of heat from the earth’s surface. If this theory is correct, then we are all living on top of natural atomic power house.

(OR)

- b) Look at the following Chart which describes the Sales Figures of Product A and B for the period from January to June in respect of a firm. Write in about 200 words the information contained in it using expressions of comparison.

Sales Figures for JAN-JUN

