

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Question Paper Code : 97109**

B.E./B.Tech. DEGREE EXAMINATION, DECEMBER 2015/JANUARY 2016.

Second Semester

Civil Engineering

HS 1151 — TECHNICAL ENGLISH — II

(Common to all branches)

(Regulations 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Match the words in column 'A' with their meanings in column 'B' : (4 ×  $\frac{1}{2}$  = 2)

A	B
(a) Feedback	(i) clearing of forest.
(b) Deforestation	(ii) response
(c) Inedible	(iii) lack, being small in number or quantity.
(d) Paucity	(iv) unfit to eat

2. Form new words using the 'prefixes' "-un, -im, -re, -mal" with the given words : design, ware, possible, plug. (4 ×  $\frac{1}{2}$  = 2)

3. Write purpose statements for any TWO of the following : (2 × 1 = 2)

- (a) A computer mouse
- (b) A taxi
- (c) A pencil

4. Use any TWO of the following words in sentences of our own and show the difference in stress shift : (2 × 1 = 2)

- (a) Conduct
- (b) Record
- (c) Perfect.

5. Fill in the blanks with suitable prepositions : (4 × ½ = 2)

(a) Thank you \_\_\_\_\_ writing \_\_\_\_\_ me \_\_\_\_\_ your book.

(b) This is the person \_\_\_\_\_ whom I got this information.

6. Fill in the blanks with suitable Conjunctions : (4 × ½ = 2)

(a) She was kind \_\_\_\_\_ gentle.

(b) He tried hard \_\_\_\_\_ was unsuccessful.

(c) You must improve your sales \_\_\_\_\_ you will lose your job.

(d) It was getting dark \_\_\_\_\_ we went home.

7. Change the following sentences into reported speech (2 × 1 = 2)

(a) "Where have you been?" The teacher asked the boy.

(b) "I was waiting for the bus when she arrived" John said.

8. Identify the adverbial clause and the verb it modified in the following sentences : (4 × ½ = 2)

(a) When Raju was walking on the road, he identified a broad crack on the road.

(b) You may reach the place on time if you drive at a speed of 40 KMPH.

(c) Inform the manager once the work is done.

(d) The student could hardly hold their heads up because they were so tired.

9. Rewrite the following imperative sentences using "should". (4 × ½ = 2)

(a) Fill the test tube with half full of water.

(b) Take the temperature every minute without fail.

(c) Shut down the system properly.

(d) Do not use harsh chemicals/detergents to dean cell phones.

10. Punctuate the following passage :

The term 'Computer' can be applied to any device that has a microprocessor in it computers can be divided into five according to the purpose they are used for, the most familiar type is the personal computer it is designed for general use of a single person a pc comes in two types.

#### PART B — (5 × 16 = 80 marks)

11. Read the following passage carefully and answer the questions given at the end of it :

Big dams have had several adverse effects on the environment and the people. Some of them are — the evacuation of thousands of families and their resettlement at some other site, making them refugees in their own land; increase in the incidence of some diseases; triggering of earthquakes and dam bursts; and the destruction of ecosystems. The last mentioned consequence has been a cause for great concern among people.

The design and construction of dams in India have been achieved mainly as civil engineering tasks neglecting their harmful ecological impact. Engineers seem to be concerned with instant solutions to problems rather than the long term effects and consequences of the solutions proposed. Thus, the provision of the intended benefits to down-stream areas causes the neglect or wanton destruction of the environment of the catchment regions upstream in most cases. Its immediate victims are the tribals, the peasants in the river valleys and the hill folk whose lives depend on the resources provided by their immediate environment. This is, of course, a pitiable situation. But more so is the ecological ruin with its grave long-range economic consequences for the nation.

The decimation of vital forests in the catchment areas is one of the most serious problems effected by the engineering approach. Large tracts of forests have been lost as a result, particularly in the Himalayan hills and the Western Ghats. Submerging forest lands have aggravated the problem.

Large scale deforestation for dams can lead to subtle imbalances in the ecosystem. Following the construction of dams, aquatic life is often grievously harmed. Changes in water velocity, water chemistry, temperature and turbidity disturb the free passage of fish to and from their spawning grounds. Weeds often proliferate in irrigation reservoirs. The spread of diseases among human beings and cattle is often due to many of these weeds.

(a) Choose the correct answer : (4 × 1 = 4)

(i) Engineers are generally concerned with \_\_\_\_\_

- (1) Constructing big dams
- (2) Protecting the environment
- (3) Generating jobs for people
- (4) Solving problems quickly

(ii) Environmental destruction also has \_\_\_\_\_ consequences for the nation.

- (1) financial
- (2) political
- (3) geographical
- (4) historical

(iii) The people affected by huge dams are

- (1) Tribals
- (2) peasants
- (3) hill Folk
- (4) all of the above

(iv) Human and cattle diseases are communicated by

- (1) Dims
- (2) Weeds
- (3) Deforestation
- (4) Fish

(b) Mention whether the following statements are True or False : (6 × 1 = 6)

- (i) Big dams are beneficial to all sections of people.
- (ii) Engineers do not harm the environment.
- (iii) The benefits for the down-stream people are partial.
- (iv) Valuable forest lands have been lost due to building of dams.
- (v) Fish are safe when a dam is built.
- (vi) Whatever humans do, the ecosystem should be taken care of.

(c) Choose the appropriate definition for the given words or phrases as they are used in the text : (6 × 1 = 6)

(i) adverse

- (1) positive
- (2) negative
- (3) neutral
- (4) indifferent

(ii) evacuate

- (1) move goods from one place to another
- (2) move people from one place to another
- (3) escape from danger
- (4) face danger fearlessly

- (iii) triggering
  - (1) closing
  - (2) killing
  - (3) hunting
  - (4) starting
- (iv) ruin
  - (1) destruction
  - (2) development
  - (3) safety
  - (4) thinking
- (v) decimation
  - (1) serious fall
  - (2) fill support
  - (3) severe damage
  - (4) minor injury
- (vi) proliferate
  - (1) increase slowly
  - (2) increase fast
  - (3) decrease fast
  - (4) decrease slowly

12. (a) Describe the appearance, function and utility of an 'air conditioner'. (16)

Or

(b) Describe the process involved in withdrawing money through ATM. (16)

13. (a) Write a set of Eight recommendations to keep college campus green.  
(1 × 16 = 16)

Or

(b) Write a set of eight instructions to save electricity.

14. (a) Assume that you have to go to Bombay to attend an interview. Write an eight-item checklist with a proper title for your reference.

Or

- (b) You have planned to go on a month long expedition to Thaar Desert in Rajasthan for a film shoot. Prepare a checklist that consists of eight items that are to be verified before you leave for the shoot.
15. (a) Write an essay of 200 words on "The Benefits of Science and Technology".  
(1 × 16 = 16)

Or

- (b) Write an essay of 200 words on "Water pollution and its causes".  
(1 × 16 = 16)