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B.E./B.TECH. DEGREE EXAMINATIONS, MAY/JUNE 2017

SECOND SEMESTER

HS16151 – TECHNICAL ENGLISH I

(Common to all branches)

(Regulation 2016)

Q. Code: 638349

Time: Three Hours

Maximum : 100 Marks

Answer **ALL** questions

PART A - (10 X 2 = 20 Marks)

1. Find the suitable one word substitution:
i. A study of birds (4 x ½ =2)
a. Ornithology b. Ecology c. Bibliography d. Print
ii. One who lives in a foreign country
a. Anthology b. Immigrant c. Glutton d. Branch
iii. One who eats too much
a. Research b. Nutrition c. Glutton d. Fuse
iv. One who goes on foot
a. Pedestrian b. Neat c. Cafe d. Anthropology
2. Complete the list of nouns and verbs: (4 x ½ =2)

Nouns	Verbs
-----	to advertise
prevention	-----
-----	to measure
-----	to reduce
3. Define the following terms: (4 x ½ =2)
a. barometer b. spanner c. spectrometer d. lathe
4. Write antonyms using prefixes: (4 x ½ =2)
a. Relevant b. sufficient c. Violence d. Normal
5. Find the correct subject-verb agreement words in the following sentences: (2 x 1 =2)
a. Every student _____ (is/are) supposed to show his / her identity cards during the examination.
b. The managing director and chairperson of the company _____ (is/are) out of station.

6. Fill in the blanks with suitable verb forms. (4 x ½ =2)
- It _____ (be) very pleasant last month.
 - The students _____ (distribute) sweets on the Republic day.
 - My cousin _____ (come) next month.
 - The finance minister _____ (inaugurate) the newly constructed buildings tomorrow.
7. Fill in the blanks with appropriate prepositions: (4 x ½ =2)
- Coal is found _____ the ground.
 - The pulley is mounted _____ the shaft.
 - ___ whom are you talking?
 - He is looking _____ his notebook.
8. Form suitable compound nouns from the list of words given to complete the following sentences: (4 x ½ =2)

Police	friend	girl	bed	man
boy	friend	room		

- I think there's a _____ near the bus station.
 - Her _____ agrees with her mom.
 - John gave his _____ something to think about.
 - We'll have to move this TV into the _____.
9. Rewrite the following conversation in the form of a reported speech: (4 x ½ =2)
- Man: Are you returning from the village?
 Trader: Yes, I returned yesterday.
 Man: What news do you bring of my family?
 Trader: Your son has begun to walk now. He is an active young child.
10. Combine the following sentences to bring out their casual relation using appropriate expressions: (2 x 1 =2)
- She didn't win the contest; she managed to deliver a satisfactory performance.
 - It was a laborious task, we didn't give up.

PART B - (5 X16 = 80 Marks)

11. (a) **Read the following passage carefully and answer the questions in your own words.**

The most frightening aspect of malnutrition is that it is likely to cause permanent damage to the brain. Experiments carried out on animals suggest that brain damage due to malnutrition is irreversible.

This may not be true of human beings. Nevertheless, known facts as well as results of tests conducted so far point to alarming conclusions. The human brain grows very fast. Three months before its birth, the child's brain weighs one-fourth of the adult brain. At four years the brain weighs 90 per cent and at eight the child's brain is the size of an adult's and there is no further increase. Quite obviously the first four years are crucial for the development of the brain. And if the child suffers from malnutrition, the damage to the brain may well be permanent.

Fortunately and thanks to the research carried out by scientists in India and abroad and systematic attempts made by the National Institute of Nutrition, Hyderabad, to analyse the causes of malnutrition in this country, one need not wait for years to solve at least some aspects of the problem.

For instance, it was found that the addition of iodine in the lake-water salt consumed in the sub-Himalayan region would go a long way to controlling goiter. Again, experiments made by the Institute reveal that inexpensive green leafy vegetables are a good alternative to eggs and butter as a rich source of Vitamin A.

The institute has also carried out considerable research into fortification of various foods. Modern bread is a case in point. But since bread is beyond the means of the poor the Institute has found some items of mass consumption which can be strengthened with certain proteins and amino acids. Fortification of common salt is considered the most promising possibility.

Questions:

(5x1=5)

1. What is the most serious harm that may be caused by malnutrition in childhood?
2. Why is good nourishment so essential during the first four years of child's life?
3. What suggestions have been made by the National Institute of Nutrition for controlling goiter in certain parts of India?
4. List the other three suggestions made by the Institute for curing the ill effects of malnutrition?
5. Write a suitable title to the passage.

Fill in the blanks:

(5x1=5)

1. Malnutrition may cause permanent damage to the _____.
2. _____ are a good alternative to eggs and butter.
3. _____ is considered the most promising possibility.
4. Brain damage due to malnutrition is _____.
5. The human brain grows _____.

State whether the following statements are true or false:

(6x1=6)

1. The human brain grows very slow.
2. If a child suffers from malnutrition, the damage to the brain may be temporary.
3. Brain damage due to malnutrition is reversible.
4. In one year, the brain of a child is already 66 per cent of the weight of the adult brain.
5. Three months before, its birth, the child's brain weighs one – fifth of the adult's brain.
6. At four years the child's brain weighs 90 per cent.

(OR)

- (b) **The sentences below are jumbled. Rewrite the sentences in the correct order:** **(8x2=16)**

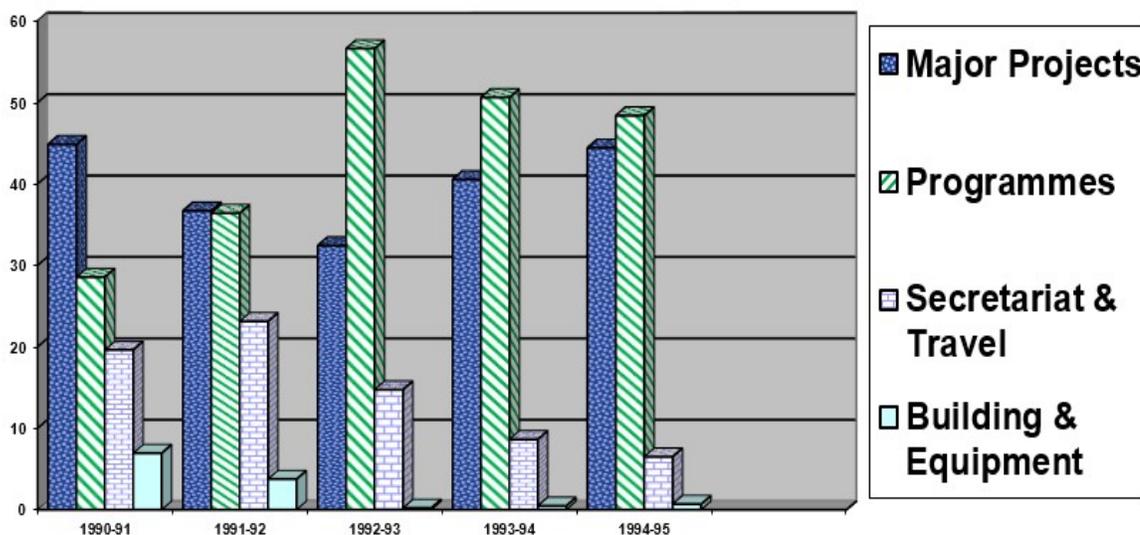
1. This is done by painting the correcting fluid on the mistakes, allowing the fluid to dry, and then typing the correct words over the paint.
2. First, the letter should be typed on stencil paper.
3. If you want to make many copies of a document or letter, you can make use of a duplicating machine.
4. Secondly, corrections are carried out on the stencil paper.
5. Finally, the stencil paper is removed.
6. After that the roller on the machine is inked.
7. Next, the stencil paper is placed in position on the duplicating machine.
8. And then, the roller is rotated either by hand or by an automatic device.

12. (a) Write a set of eight instructions to save petrol. **(8x2=16)**

(OR)

- (b) Write a set of eight recommendations to control noise pollution in the metropolitan cities in India. **(8x2=16)**

13. (a) Write a paragraph using the data given below (1x16=16)
Distribution of expenditure by the Rajasthan State Council for Science and Technology



(OR)

- (b) Given below is a process description. Read it and draw a flow chart representing the process described. (16)

Rayon is a man-made fibre. It is, in fact, a reconstituted natural fibre – cellulose. Rayon is made by dissolving cellulose in a solution of sodium hydroxide, or caustic soda, as it is usually called. The cellulose is obtained from shredded wood pulp. The dissolved cellulose is formed into threads by forcing it through a spinneret in a setting bath of dilute sulphuric acid. The threads are drawn from the setting bath, wound on a reel, washed, then dried on a heated roller and finally wound on to a bobbin.

14. (a) Write a letter to your friend narrating a one-week trip to Singapore. (16)

(OR)

- (b) Write a letter to your parents about the International symposium that was organized in your college. (16)

15. Write an essay on the following topics:

- (a) The effects of junk food on a person's health. (16)

(OR)

- (b) Ill effects of television on children. (16)