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**B.E./B.Tech. DEGREE EXAMINATION, NOV / DEC 2013**  
**SECOND SEMESTER**  
**HS 181 ENGLISH II / HS9161 TECHNICAL ENGLISH II**  
**(Common to all Branches)**  
**(Regulations 2004 / 2008)**

Time: Three hours

Maximum: 100 marks

Answer ALL Questions

**PART 'A' (10 x 2 = 20 marks)**

1. Match the words in column 'A' with their meanings in column 'B': (4 x 1/2 = 2)

- | A            | B                |
|--------------|------------------|
| a) dare      | - abnormal       |
| b) eccentric | - angry          |
| c) merge     | - challenge      |
| d) furious   | - blend, combine |

2. Fill in the blanks with the correct prepositions: (4 x 1/2 = 2)

Environment may be broadly understood to mean our surroundings. It can be divided into non-living and living components. The Environment provides resources which support life ----- the earth and which also help in the growth ----- a relationship of interchange ----- living organisms and the environment in which they live. It is important to realise that humans enjoy a unique position ----- nature due to their exceptional ability to influence and mould the environment.

3. Rewrite the following expressions as shown in the given example: (4 x 1/2 = 2)

Example: a flask with a capacity of 2 litres

Answer: a 2 litre flask

- a) a report written in 5 pages
- b) an amplifier of a power of 60 watts
- c) a programme lasting for two days
- d) a committee that consists of 3 members

4. Match the 'causes' in column 'A' with the 'effects' found in column 'B' and write four sentences using apt expressions to show cause and effect relationship: (4 x 1/2 = 2)

- | A                      | B                     |
|------------------------|-----------------------|
| a) job outsourcing     | - fire accident       |
| b) short-circuit       | - child labour        |
| c) poverty             | - high blood pressure |
| d) alcohol consumption | - unemployment        |

5. Select any two from the words given in the box and use them as nouns and as verbs in separate sentences: (2 x 1 = 2)

Example: a) The **project** was implemented last year.

b) The picture was **projected** on the screen.

a) paste	b) book	c) view
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6. Use the hints below to make sentences expressing purpose: (4 x ½ =2)
- a) ammeter : measures strength of electric current
  - b) endoscope : examines internal parts of the body
  - c) hygrometer : measures level of humidity
  - d) photometer : measures the intensity of light

7. Fill in the blanks with the appropriate forms of words: (8 x ¼ =2)
- | Noun         | Adjective | Person concerned |
|--------------|-----------|------------------|
| a) -----     | musical   | -----            |
| b) astronomy | -----     | -----            |
| c) -----     | -----     | nutritionist     |
| d) geology   | -----     | -----            |

8. Choose the correct phrasal verb and complete the sentence: (2 x 1 =2)
- a) Stop complaining and ----- (get on with / get over) your work!
  - b) Have you ever ----- (come forward/come across) such an unusual piece of art?

9. Make antonyms of the following words by adding suitable prefixes: (4 x ½ =2)
- a) polite    b) successful    c) possible    d) advantage

10. Use simple past or past continuous in the following sentences. (2 x 1 =2)
- a) She ----- (watch) a film when she ----- (hear) the noise.
  - b) When I ----- (walk) into the room, everyone ----- (work).

PART – ‘B’ (5 x 16 = 80 marks)

11. Read the passage and answer the questions that follow it:  
 Centuries ago, man discovered that removing moisture from food helps to preserve it, and that the easiest way to do this is to expose the food to sun and wind. In this way the North American Indians produce pemmican (dried meat ground into powder and made into cakes), the Scandinavians stockfish and the Arabs dried dates and ‘apricot leather’.

All foods contain water – cabbage and other leaf vegetables contain as much as 93% water, potatoes and other root vegetables 80% to 60% depending on how fatty it is. If this water is removed, the activity of the bacteria which cause food to go bad is checked.

Fruit is sun-dried in Asia Minor, Greece, Spain and other Mediterranean countries, and also in California, South Africa and Australia. The methods used vary, but in general, the fruit is spread out on trays in drying yards in the hot sun. In order to prevent darkening, pears, peaches and apricots are exposed to the fumes of burning sulphur before drying. Plums, for making prunes, and certain varieties of grapes for making raisins and currants,

are dipped in an alkaline solution in order to crack the skins of the fruit slightly and remove their wax coating, so increasing the rate of drying.

Nowadays most foods are dried mechanically. The conventional method of such dehydration is to put food in chambers through which hot air is blown at temperatures of about 110 C at entry to about 43 C at exit. This is the usual method for drying such things as vegetables, minced meat, and fish.

Liquids such as milk, coffee, tea, soups and eggs may be dried by pouring them over a heated horizontal steel cylinder or by spraying them into a chamber through which a current of hot air passes. In the first case, the dried material is scraped off the roller as a thin film which is then broken up into small, though still relatively coarse flakes. In the second process it falls to the bottom of the chamber as a fine powder. Where recognizable pieces of meat and vegetables are required, as in soup, the ingredients are dried separately and then mixed.

Dried foods take up less room and weigh less than the same food packed in cans or frozen, and they do not need to be stored in special conditions. For these reasons they are invaluable to climbers, explorers and soldiers in battle, who have little storage space. They are also popular with housewives because it takes so little time to cook them. Usually it is just a case of replacing the dried out moisture with boiling water.

i) Write the response which best reflects the meaning of the text: (6 x 1 = 6)

1. The open-air method of drying food
  - A. is the one most commonly used today.
  - B. was invented by the American Indians.
  - C. has been known for hundreds of years.
  - D. tends to be unhygienic
2. The water content
  - A. does not vary from food to food.
  - B. is greater in green vegetables than in lean meat.
  - C. Is greater in fish than in vegetables.
  - D. Has never been accurately calculated.
3. Bacteria which cause food to go bad
  - A. cannot live in sunlight.
  - B. are killed by drying.
  - C. are in no way dependent on the water content.
  - D. have their activity greatly reduced by drying.
4. Fruit is sun dried
  - A. always by the same method.
  - B. generally on trays.
  - C. in every country in the world.
  - D. by spreading it out under glass panels.
5. Sulphur fumes are dried before drying some fruits
  - A. to dry them more quickly.
  - B. to preserve their colour.

6. invaluable  
A. worthless  
B. inexpensive  
C. very useful  
D. free of charge

12. a) Read the following advertisement published in 'Times of India' and write a letter of application. Enclose your resume with the letter of application: (16)

*Johnson Software Solutions is a multinational software company providing software solutions for the civil and structural engineering industry.*

We are currently looking for **Software Engineers.**

**Qualification:** B.E./B.Tech./

**Experience:** 2-3 years experience in software development

**Requirements:** a) Prior experience in complete software development  
b) Problem solving skills to assess design alternatives  
c) Excellent communication skills and team player attributes

Send your application with CV to HR Manager, Johnson Software Solutions, No.5, St. Peters Road, Chennai-600 015

(Or)

b) You are a fresh engineering graduate and you wish to join a job oriented programme to get placement in multinational companies. Write a letter of application and a detailed CV.

(16)

**FOR THE ATTENTION OF FRESH ENGINEERING GRADUATES**

Thinking of practical oriented training?

**Approach DEED**

Job oriented programme – Diploma in  
Software Testing

Send your application with a detailed CV to:  
**DEED InfoTech Ltd,**  
75, Krishna Building, First Floor,  
Kodampakkam High Road,  
Chennai – 600 037.

- 2500 students placed in 2012
- 75 companies visited for campus interview

13. a) Empire hotel group wants to open a new branch in your small town. As you are one of the managers of this group, they ask you to conduct a survey to know the economic status, job and the favourite food items of the people living in the town. Write a report based on the survey with a covering letter and send it to The Managing Director, Empire Group of Hotels, 14, Mount Road, Chennai – 600 035. Write your report not exceeding 300 words. (16)

(Or)

b) You are working as a Maintenance Engineer in Comfort Transport Company. A bus belonging to this company met with an accident near Villupuram. Fortunately no one was injured. However there was a huge financial loss to the company since the engine and other parts of the bus were damaged in the accident. Write a detailed report about the reasons for the accident and the damage happened to the bus with a covering letter and send it to the Manager, Comfort Transport Company, Chennai.

14. a) Write a set of eight instructions that can be followed by students in the examination hall. (16)

(Or)

b) You are an NSS volunteer in your college. You have been asked to organise a 2-day camp in a remote village highlighting the importance of literacy. Prepare a checklist of eight important items that you have to arrange for this camp. Give a suitable title for the checklist.

15. Write an essay on any ONE of the following topics not exceeding 300 words.

a) Causes of climate change (16)

(Or)

b) Population explosion in India: problems and solutions (16)