

I B. Tech II Semester Regular Examinations August-2014
ENGLISH-II
(Common to All Branches)

Time: 3 hours

Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**

PART-A

- 1.(i) Define 'Climate' in terms of E.R. Federov.
- (ii) How has technology affected us negatively according to Schumacher?
- (iii) What are the two kinds of technologies currently used to generate solar power on a large scale?
- (iv) How is the idea of *Samskara* explained by Swami Vivekananda?
- (v) How does Abdul Kalam describe the state of being in the "flow" of work?
- (vi) Give an account of Bose's experiments relating to plant responses.
- (vii) Describe India's journey towards space with Sarabhai's initiation and intervention.

[3+3+3+3+3+3+4]

PART-B

- 2.(a) Do you think technology has brought good changes in our life style? Support your answer with the argument presented by E.F. Schumacher.
- (b) Describe the beginning of the age of nuclear energy and India's approach to it with Bhabha's initiation. [8+8]
- 3.(a) What makes water one of the most powerful and wonderful things on the earth according to C.V.Raman?
- (b) Compare and contrast the reaction of Sambu and his mother to the film enacted by his father in the story "A Shadow". [8+8]
- 4.(a) What kind of work according to Abdul Kalam brings solace to man?
- (b) Imagine that you are Mary Joseph of #32, Moonlight Apartments, Gikwada, Nagpur-440027. Your family is planning a holiday to Darjeeling. Write a letter to the Public Relations Officer, West Bengal Tourism Development Corporation, Netaji Indoor Stadium, Lee Road, Kolkata-700021, to enquire about the best time of the year to visit the town, how to get there, places of interest and hotel tariffs. [8+8]
- 5.(a) Why in the present world we are showing great concern towards climatic changes? What could be the possible remedies for the problems caused due to climatic changes?
- (b) Imagine that you are Divisional Engineer, Irrigation Projects. The new Minister of Irrigation has asked you to give a report on the steps taken to conserve water and make best use of water for irrigation canals in Andhra Pradesh. [8+8]

- 6.(a) What kind of work are we doing in the present days and how different is it from the nature of work Swami Vivekananda proposed?
- (b) Imagine that you are an engineering graduate from JNTU Kakinada. Write an e-mail to your Placement officer seeking his permission to attend an interview along with your juniors.
- (c) Write a paragraph describing your college campus.

[8+4+4]

- 7.(a) Write the Synonyms for the following words.

- (i) inevitable
- (ii) infrastructure
- (iii) boundless
- (iv) visionary

- (b) Write the Antonyms for the following words.

- (i) productive
- (ii) genius
- (iii) potent
- (iv) facilitate

- (c) Rewrite the sentences as directed.

- (i) The scientist proved that the new virus is drug resistant. (change to passive voice)
- (ii) Was the lesson understood by you? (change to active voice)
- (iii) "Where are my glasses?", Sheela asked Rachel. (change to indirect speech)
- (iv) The woman asked the tailor to make a skirt for her daughter. (change to direct speech).

- (d) Fill in the blanks with the right word from the brackets.

- (i) There was a look of _____ on her face. (concern, worry)
- (ii) My aunt put her _____ arms around me. (fat, plump)
- (iii) Dictionaries also give us the right _____ of the words. (pronunciation, pronunciation)
- (iv) The _____ cleaner can also be used as sprayer. (vaccum, vacuum)

[4+4+4+4]

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PART-A

- 1.(i) What are the three crises modern world is facing due to technology?
- (ii) How is technological advancement responsible for climatic changes in different regions of the world?
- (iii) Why does Spain figure among the top countries that are using solar power?
- (iv) How does water help in the formation of fertile soil?
- (v) What are the two ways in which we can work without expecting anything in return according to Swami Vivekananda?
- (vi) What was Bhabha's view of nuclear physics?
- (vii) Trace Sarabhai's work relating to atomic energy.

[3+3+3+3+3+3+4]

PART-B

- 2.(a) In what ways can emerging technologies help humanity? What are their disadvantages?
- (b) Give an account of Bose's efforts to set up research institutes in India. Why did he feel the need to do so? [8+8]
- 3.(a) What is the main idea of the passage, "Work Brings Solace" by APJ Abdul Kalam?
- (b) Give a brief account of the story "A Shadow" by R.K. Narayan. [8+8]
- 4.(a) What according to Swami Vivekananda brings misery to life and when can people be free of it completely?
- (b) Imagine that you are Sumanth Roy, D. No: 12-156/4, Monsoon Street, Hazal Bagh, New Delhi-110047. You bought a refrigerator from Rajkamal Electronics Private Limited, 14/276, South Extension-2, New Delhi-110049 on 5th July, 2014. You realized that the refrigerator is defective. Write a letter to Mr. Subratha Sen, Customer Service Manager of that company asking for a replacement. [8+8]
- 5.(a) What is the alternative technology suggested by E.F. Schumacher and how would it make the present world better?
- (b) You are the Joint Director of Technical Education for JNTU Hyderabad. You are asked by the Director, Department of Technical Education, Telangana state to study and evaluate the infrastructure qualified teaching staff, furniture, equipment, classrooms, workshops, labs, computer centres, hostels and libraries available in private engineering colleges affiliated to JNTU Kakinada. The information you give can be fictitious. [8+8]

- 6.(a) Why is water called the “Elixir of Life”? What are the ways of preventing its wastage?
(b) Write paragraph describing a student event at your college.
(c) Write an e-mail to your principal with a copy to Dean, Students Affairs requesting him to provide a regular doctor for the health center in your college. Give the list of other requirements like increasing the beds, separate room for girls etc.

[8+4+4]

- 7.(a) Write the Synonyms for the following words.

- (i) skeptical
- (ii) immortality
- (iii) disbursed
- (iv) consent

- (b) Write the Antonyms for the following words.

- (i) confident
- (ii) impartial
- (iii) natural
- (iv) elaborate

- (c) Fill in the blanks choosing the appropriate word from the brackets.

- (i) The young man who attended the interview seemed _____, very innocent and humble. (childish, childlike)
- (ii) Gandhiji led a _____ life in London. (frugal, miserly)
- (iii) When his son was talking about an Adriod phone, Ravi said, “ I didn’t _____ what you are saying”. (get, comprehend)
- (iv) The principal called the teachers who were irregular and told them that he cannot _____ employees with that attitude. (tolerate, put up with)

- (d) Rewrite the following sentences as directed.

- (i) Is the building material sold by them? (change to active voice)
- (ii) We know that many species of plants and animals are in danger of extinction. (change to passive voice)
- (iii) “I am reading an interesting story”, said Rahim. (change to indirect speech)
- (iv) You said that you wanted to get your sister a book. (change to direct speech)

[4+4+4+4]

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PART-A

- 1.(i) What are the three main strategies suggested by E.K.Federov to face the inevitable climatic changes?
- (ii) What is the main difference between the systems of mass production and production by the masses as indicated by E.F. Schumacher?
- (iii) Mention two current and two long term applications of nanotechnology.
- (iv) Compare and contrast human beings with tortoise as presented by Swami Vivekananda.
- (v) How does water help in the formation of fertile land?
- (vi) Describe how space research took off in India despite the setback that Rohini II faced.
- (vii) "Bhabha had a passion for order". Support this statement with examples.

[3+3+3+3+3+3+4]

PART-B

- 2.(a) What is the argument that E.K. Federov presented in the passage, "Climatic Changes and Human Strategy"?
- (b) Give an account of achievements of J. C. Bose. [8+8]
- 3.(a) Do you think technology has brought good changes in our life style? Support your answer with the argument presented by E.F. Schumacher.
- (b) Describe Sambu's reactions to the film in which his father had acted from the time of it's released to the last show he saw. [8+8]
- 4.(a) What kind of attachment and detachment do we need to have towards work as per Swami Vivekananda?
- (b) Imagine you are Vijay Dany, Manager, Jyothi Book Depot, Near RTC Complex, M.G. Road, Visakhapatnam-520003. You have several orders from schools for children's books. So you would like to get the titles of the books from PHI Learning Private Limited, Rimjhim House, 111, Patparjang, Industrial Estate, New Delhi-110092. Write a letter to the Publishing House Manager, Mr. Ajay Bharadwaj asking to the details of the same. [8+8]
- 5.(a) What is the difference between being a workaholic and being committed to work according to Abdul Kalam? Present his other ideas on work.
- (b) You are the Joint Director of Technical Education for JNTU Kakinada. You are asked by the Director, Department of Technical Education, Andhra Pradesh to study and evaluate the infrastructure qualified teaching staff, furniture, equipment, classrooms, workshops, labs, computer centres, hostels and libraries available in the private engineering colleges affiliated to JNTU Kakinada. The information you give can be fictitious. [8+8]

- 6.(a) Why is water called the “Elixir of Life” and what are the ways of preventing its wastage?
(b) Write an e-mail to your head of the department along with a copy to your principal seeking their permission on behalf of your class to go on an industrial tour for about 5 days.
(c) Write a paragraph describing the celebration of a festival of your choice.

[8+4+4]

- 7.(a) Write the Synonyms for the following words.

- (i) enhanced
- (ii) moderate
- (iii) resilient
- (iv) stalwart

- (b) Write the Antonyms for the following words.

- (i) enabled
- (ii) inexhaustible
- (iii) desirable
- (iv) avoidable

- (c) Fill in the blanks choosing the appropriate word from the brackets.

- (i) Harish is very dynamic and has become a good _____ (entrepreneur, enterprenuer)
- (ii) Dr. Latha is an eye specialist. She is an _____ (optician, ophthalmologist)
- (iii) The yoga teacher _____ the asanas to his students. (showed, demonstrated)
- (iv) The Tatas were the first to _____ a steel factory in Jamshedpur. (set up, establish)

- (d) Rewrite the following sentences as directed.

- (i) When did the management shut down the factory? (Change to passive voice)
- (ii) Let him be given some money. (Change to active voice)
- (iii) I told myself that I must be brave. (Change to direct speech)
- (iv) She said, “Ranjan takes the 7 o’clock train everyday”. (Change to indirect speech)

[4+4+4+4]

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PART-A

- 1.(i) What are the three crises modern world is facing due to technology?
- (ii) How is technological advancement responsible for climatic changes in different regions of the world?
- (iii) How does solar thermal power work differently from photovoltaic panels?
- (iv) How does soil erosion take place and what are its main causes?
- (v) What kind of a person was Wernher von Braun according to Abdul Kalam?
- (vi) What were Bhabha's efforts to set up research institutes in India?
- (vii) Why does the author say, "Bose was ahead of his time"?

[3+3+3+3+3+3+4]

PART-B

- 2.(a) What are the natural and human made changes that affected the climate according to E.K.Federov?
- (b) Give an account of achievements of Sarabhai in Indian space technology.
[8+8]
- 3.(a) What kind of life style should people adopt in order to have a check on technological growth going beyond human control? Do you think that is practical? Give reasons.
- (b) Write the story of the film in which Sambu's father enacted. Which are the scenes Sambu likes most and why?
[8+8]
- 4.(a) What brings misery into life and when can people be free of it completely according to Swami Vivekananda?
- (b) Imagine that you are Pankaj Kanth, a third year B.Tech (ME) student of SNKR Engineering College, South Chennai-3. You would like to go on an industrial tour with all your classmates. Write a letter to the Public Relations Officer, Industrial area, Coimbatore, TN-670007 asking for the details of the industries that student can visit in that area, the process of getting permission for students' visit along with boarding and lodging facilities.
[8+8]
- 5.(a) What is Abdul Kalam's attitude towards work? What according to him gives best results in work?
- (b) Imagine that you are an officer in Andhra Pradesh Forest Department. The Secretary of the department has asked you to report on the steps taken by the department to conserve the forests in Chittoor district that includes Tirupathi. Write a report presenting facts and making recommendations.
[8+8]

- 6.(a) In what ways can emerging technologies help humanity? What are their disadvantages?
(b) Write a descriptive paragraph on any of the experiments you have done in your physics lab.
(c) Write an e-mail to the Principal of your college along with a copy to the Head of your department proposing to start a technical club in your college.

[8+4+4]

- 7.(a) Write the Synonyms for the following words.

- (i) stubborn
- (ii) exponentially
- (iii) overwhelming
- (iv) vulnerable

- (b) Write the Antonyms for the following words.

- (i) unfamiliar
- (ii) deceptive
- (iii) markedly
- (iv) homogeneous

- (c) Fill in the blanks with suitable words.

- (i) The professor asked his scholar to work for longer hours to _____ his two weeks absence. (make up, compensate)
- (ii) The customer _____ and quality of the sample material. (examine, look at)
- (iii) They grant leaves as per the _____ year. (calander, calendar)
- (iv) There should be a _____ employee to check these rules. (permanent, permenant)

- (d) Rewrite the following sentences as directed.

- (i) Will the farm be sold by the family? (Change to active voice)
- (ii) The news editor briefed the young reporter. (change to passive voice)
- (iii) Mary said to her husband, "When are you leaving for the camp tomorrow?" (Change to indirect speech)
- (iv) They said that if it rained for three months in the desert, farming would be possible there. (Change to direct speech)

[4+4+4+4]