

**I B.Tech - Regular Examinations, June 2009**

**ENGLISH**

( Common to Civil Engineering, Electrical & Electronic Engineering,  
Mechanical Engineering, Electronics & Communication Engineering,  
Computer Science & Engineering, Chemical Engineering, Electronics &  
Instrumentation Engineering, Bio-Medical Engineering, Information  
Technology, Electronics & Control Engineering, Mechatronics, Computer  
Science & Systems Engineering, Electronics & Telematics, Metallurgy &  
Material Technology, Electronics & Computer Engineering, Production  
Engineering, Aeronautical Engineering, Instrumentation & Control  
Engineering and Bio-Technology)

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions  
All Questions carry equal marks**

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1. (a) What was Aristotle's basis for believing that the earth was a round sphere?  
How was this idea elaborated by Ptolemy?  
(b) What was the Nicholas Copernicus' model of the universe and how was his  
theory supported by Kepler and Galileo? [8+8]
2. Who has coined the term 'cybernetics' and what does it mean? Explain in detail. [16]
3. Sketch the character of Datta. [16]
4. C V Raman considers that rain water running into the sea is a great national  
problem and should be dealt with accordingly. Discuss the results of a well planned  
action to avoid this problem in a country like India. [16]
5. "A very exciting challenge had been thrown to us". Describe Kalam's interview  
with the Defence Minister and its consequences in the light of this statement. [16]
6. Describe how Joe and Delia find solutions to the problem of their poor financial  
resources. Are they successful in finding a way out? [16]
7. Write a report on an industrial accident to be submitted to CMD of a company.  
Make use of the following hints:  
Title page, Introduction, location, Time, Causes, how it occurred, persons respon-  
sible, extent of damage or loss, measures to prevent accidents in future. [16]
8. (a) Fill in the blanks to complete the following sentences. Select one word from  
the ones given.
  - i. During the tripartite talks between the warring nations many ..... issues  
were covered. (Substantial/substantive)
  - ii. The young singer has great ..... to become a playback artist. (poten-  
tiality / potential)

- iii. It was not ..... to try to move the table without taking the door off its hinges. (Practical/ practicable)
  - iv. Damu has decided to ..... his lunch break in order to complete the report. (forego / forgo)
- (b) Give single word substitutes for the following:
- i. A person who is positive and hopes for the best
  - ii. A number of people watching a performance
  - iii. A selfless person who is concerned about the welfare of others
  - iv. A generous and kind- hearted person who devotes his wealth for others
- (c) Provide adjectives for the following nouns
- i. nucleus
  - ii. fascination
  - iii. sparkle
  - iv. ecology.
- (d) Change the following words into nouns and use them in sentences of your own:
- i. sharp,
  - ii. final,
  - iii. present,
  - iv. weak.
- [4×4]

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1. (a) Who are Abdul Kalam's parents? What did he learn from them?  
(b) What did Abdul Kalam learn about God and Religion at his tender age? [8+8]
2. What is Prof. Sarabhai's contribution to Indian space research programme? [16]
3. Abdul Kalam makes an interesting differentiation between communication and conversation. What does he say? Elaborate on this in your own words. [16]
4. C V Raman considers that rain water running into the sea is a great national problem and should be dealt with accordingly. Discuss the results of a well planned action to avoid this problem in a country like India. [16]
5. "A very exciting challenge had been thrown to us". Describe Kalam's interview with the Defence Minister and its consequences in the light of this statement. [16]
6. What happens to force Delia to disclose the truth about her music lessons to Joe? How does he confess his own secret? [16]
7. (a) Write a conversation of 4 turns each between two persons who do not agree about a consumer product advertised on Television.  
(b) Write a Cover Letter for a Resume' you are sending to a multinational company that you have come to know has some vacancies for a responsible position. There is stiff competition and you need to make your letter convincing, polite and emphatic. [8+8]
8. (a) Write the Synonyms of the following words:
  - i. indigenious
  - ii. abandon
  - iii. ridiculous
  - iv. global.

- (b) Write the Antonyms of the following words:
- i. Preliminary
  - ii. Perfect
  - iii. Integration
  - iv. Allow.
- (c) Use the following idioms/phrases in your own sentences.
- i. Wild goose Chase
  - ii. Ins and outs
  - iii. Call on
  - iv. Turn down.
- (d) Rewrite the following sentences making necessary corrections, if any.
- i. She went to Mumbai, isn't it?
  - ii. When I reached the station, the train left.
  - iii. I can be able to run a mile in five minutes.
  - iv. I prefer books than friends. [4+4+4+4]

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1. (a) How did Abdul Kalam spend his childhood?  
(b) How did Jallaluddin and Samsuddin have an influence on Abdul Kalam? [8+8]
2. Write a brief note on:
  - (a) Prof. Sarabhai's vision
  - (b) India's first rocket launch. [16]
3. Examine "The Gold Frame" as a humorous story. [16]
4. (a) According to C V Raman 'water is the basis of all life'. Explain.  
(b) What are the remarkable facts about water? [8+8]
5. Give an account of Kalpana's personality. What was the impression that the thesis guide of Kalpana had of her? [16]
6. Do you agree that Mr. and Mrs. Larrabee are both artists with great imaginative talent? Explain with examples. [16]
7. (a) Write an imaginary dialogue between Kalam and his scientist colleagues before the launch of the IGMDP in which he is motivating them to struggle hard.(there should be 4 turns each in the conversation.  
(b) Write a report to be published in your college magazine on the proceedings of a Conference organized by your college/class. You could refer to the theme, sessions, invited speakers, number of delegates and your overall impressions about it. [8+8]
8. (a) Fill in the blanks with suitable articles where necessary.
  - i. There has been ..... continuous growth in ..... number of vehicles all over the world.

- ii. Millions of vehicles ply . world's roads.
  - iii. In fact, ..... growth of these vehicles has consistently outpaced that of ..... human population.
  - iv. About half of ..... world's oil is consumed by ..... fleet of 500 million vehicles.
  - v. Such ..... rapid growth poses many problems.
  - vi. As per ..... rough estimate made by researchers, ..... billion vehicles will ply the roads by 2030.
  - vii. If this increasing trend continues it will lead to ..... severe oil crisis.
  - viii. In ..... long run oil consumption will rise faster than oil production.
- (b) Make meaningful sentences with the following:  
look into, cut down, hand over, take over, carry out, go ahead, back out,  
depend on. [8+8]

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2. 'Our biggest qualifications at INCOSPAR were not our degrees and training, but Prof. Sarabhai's faith in our capabilities'. Elaborate. [16]
3. According to Abdul Kalam, what does one need to be a successful team leader? [16]
4. Why is the study of the nature and properties of water of the highest scientific interest? [16]
5. 'The finest achievement for Kalpana was being chosen as an astronaut by NASA from among 2962 applicants'. What special efforts did she make to reach that level of competence? [16]
6. Do you agree that Mr. and Mrs. Larrabee are both artists with great imaginative talent? Explain with examples. [16]
7. (a) Write a conversation of 4 turns each between two persons who do not agree about a consumer product advertised on Television.  
(b) Write a Cover Letter for a Resume' you are sending to a multinational company that you have come to know has some vacancies for a responsible position. There is stiff competition and you need to make your letter convincing, polite and emphatic. [8+8]
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