

I B.Tech Supplementary Examinations, Aug/Sep 2008

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, Bio-Technology and Automobile Engineering)

Time: 3 hours

Max Marks: 80

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

1. Consider pedal power and wind power as alternative sources of energy in the context of rural India. Write a paragraph explaining their relative merits and drawbacks. [16]
2. Write an essay on “Artificial Intelligence”. If the trend towards it continues how will it affect the human beings, classify the effects under some general headings. [16]
3. Detail the research activities of Dr.SS Bhatnagar. [16]
4. Discuss the problem of J. C. Bose in becoming a trailblazer. [16]
5. What are the technical problems involved in cleaning the Cooum rivier? [16]
6. Discuss the contribution of Salim Ali to ornithology. [16]
7. (a) **Complete the following sentences with blanks with one of the words that follow:**
 - i. We cannot eat this food; it is - - - - -
 - A. bad
 - B. rancid
 - C. rotten
 - D. old.
 - ii. I prefer seeing the film - - - - - reading.
 - A. to
 - B. for
 - C. over
 - D. than.

- (b) Give the synonyms of the following words:

- i. impolite
 - ii. passive.
- (c) Give the antonyms of the following words:
- i. evil
 - ii. cruel.
- (d) Correct the errors in the following sentences:
- i. She counted the books to make sure that none of them were missing.
 - ii. you are late again, isn't it? [4 × 4]
8. Draft a report on the functioning of the RTC bus depot in your city. Write only the abstract, and the body of the report detailing the finances and management problems in the running of the depot. Suggest some solutions. [16]

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**Answer any FIVE Questions
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1. Explain in detail the manifold uses and advantages of biogas. [16]
2. Computers have changed the entire outlook of the developing countries. Attempt an essay on the past, present and future of computers in developed countries. [16]
3. Write an essay on 'The Two Faces of Technology'. [16]
4. It was said that Jagadish Chandra Bose was in many ways much ahead of his times.
- Do you subscribe to this statement? Substantiate your stand in the light of the achievements of Jagadish Chandra Bose. [16]
5. Discuss the efforts of Deborah Thiagarajan in making the river pollution free. [16]
6. What is the role of a psychologist in an industry? [16]
7. (a) **Complete the following sentences with blanks with one of the words that follow:**
 - i. We cannot eat this food; it is - - - -
A. bad
B. rancid
C. rotten
D. old.
 - ii. I prefer seeing the film - - - - reading.
A. to
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- (b) Give the synonyms of the following words:
 - i. impolite

ii. passive.

(c) Give the antonyms of the following words:

i. evil

ii. cruel.

(d) Correct the errors in the following sentences:

i. She counted the books to make sure that none of them were missing.

ii. you are late again, isn't it? [4 × 4]

8. Write a technical report on the possibility of starting a newspaper in your city in the local vernacular language. Discuss readership issues, layout and possible profits. As part of the body of the report, compose a few questions for the questionnaire you have devised and some oral interview questions as well. Draw logical conclusions and recommendations. [16]

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Time: 3 hours

Max Marks: 80

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

1. Explain in detail the manifold uses and advantages of biogas. [16]
2. Computers have been introduced in many public sectors in India. Do you think that this has led to unemployment? Are there any advantages in the introduction of computers in large scale sectors? [16]
3. Justify that Dr. S.S. Bhatnagar belonged to a rare breed - the pure chemist interested in the practical applications of his research. [16]
4. J.C.Bose became the first Indian Experimental scientist of the Modern Age, the Galileo of our country- Justify Mr. Bose as a trailblazer. [16]
5. What are the technical problems involved in cleaning the Cooum rivier? [16]
6. What is the role of a psychologist in an industry? [16]
7. (a) **Complete the following sentences with blanks with one of the words that follow:**
 - i. He is not good enough to be entrusted -- confidential files.
 - A. to
 - B. for
 - C. with
 - D. about.
 - ii. Visitors are cautioned --- pickpockets.
 - A. for
 - B. against
 - C. on
 - D. in.

- (b) Write the synonyms of the following words:

- i. rich
- ii. quiet.

(c) Write the antonyms of the following words:

- i. attention
- ii. beautiful.

(d) Complete the analogy by writing the next logical word:

- i. gas:car::wood: ---
- ii. plane :hangar: car: - - -

[4 × 4]

8. Write a report on the causes of water shortage in your town. Mention some quick and temporary solutions and a long-term few remedies. [16]

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**Answer any FIVE Questions
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1. Critically build an argument that though solar power and wind power need huge initial investments, they can be a boon afterwards as their running costs are very less. [16]
2. Computers have been introduced in many public sectors in India. Do you think that this has led to unemployment? Are there any advantages in the introduction of computers in large scale sectors? [16]
3. What is meant by indigenous technology? Why should such a technology be recommended for a country like India? [16]
4. What was C. V. Raman's contribution to the scientific community of India? [16]
5. What are the technical problems involved in cleaning the Cooum rivier? [16]
6. What are the advantages of to the employer training the employee? [16]
7. (a) **Complete the following sentences with blanks with one of the words that follow:**
 - i. He is not good enough to be entrusted -- confidential files.
 - A. to
 - B. for
 - C. with
 - D. about.
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(b) Write the synonyms of the following words:

- i. rich
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- i. attention
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(d) Complete the analogy by writing the next logical word:

i. gas:car::wood: ___

ii. plane :hangar: car: - - -

[4 × 4]

8. Technical education in India has become too technical, turning out automatons in the academic process. Elaborate. [16]
