

**I B.Tech. Supplementary Examinations, August/September -2007
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. It was said that Jagadis 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 Jagadis Chandra Bose. [16]
2. In spite of its multifarious utilities, computer technology seems to be capable of exercising a dehumanizing influence. Give a comprehensive account of the positive and negative aspects of computer technology along with your own evaluation.[16]
3. Evaluate Shanti Swarup Bhatnagar's contributions to science which have put India on the industrial map of the world. [16]
4. What are the different kinds of pollutions that are affecting the health of the people of your town. What measures do you recommend to arrest them?
5. Identify as many reasons as you can think of why training is necessary in a modern organization. [16]
6. Attempt a descriptive essay on any of the wonders of the world in about four hundred words. [16]
7. In the recent heavy floods many low-lying areas of your town were inundated. The people suffered for days. Draft a report for submission to the commissioner of Relief and Rehabilitation recommending measures to be adopted when floods are forecast. Your report must contain the following sub-titles:
Introduction
Havoc caused by Floods
Reasons for Inundation
Preventive Measures
Conclusion. [16]

8. (a) Read the following passage carefully and answer the questions given under it:
PASSAGE:

As Gandhi said, the poor of the world cannot be helped by mass production, only by production by the masses. The system of mass production, based on sophisticated, highly capital-intensive, high energy-input dependent, and human labour- saving technology, presupposes that you are already rich, for a great deal of capital investment is needed to establish one single workplace. The system of production by the masses mobilizes the priceless resources which are possessed by all human beings, their clever brains and skilful hands, and supports them with first-class tools. The technology of mass production is inherently violent, ecologically damaging, self-defeating in terms of non-renewable resources, and stultifying for the human person. The technology of production by the masses, making use of the best of modern knowledge and experience, is conducive to decentralization, compatible with the laws of ecology, gentle in its use of scarce resources, and designed to serve the human person instead of making him the servant of human machines. I have named it intermediate technology to signify that it is vastly superior to the primitive technology of by gone ages but at the same time much simpler, cheaper and freer than the super-technology of the rich. One can also call it self-help technology, or democratic or people's technology _____ a technology to which everybody can gain admittance and which is not reserved to those already rich and powerful.

QUESTIONS:

- i. Justify the statement that the person who initiates mass production is supposed to be already rich.
 - ii. What are the invaluable resources that are made use of by production by the masses?
 - iii. How does mass production affect human beings?
 - iv. How can one consider production by masses intermediate technology?
- (b) Fill in the blanks in the following text with appropriate prepositions:
The coom poses a serious health hazard _____ the people of Chennai.
_____ the years the coom has been polluted _____ sewage discharge
_____ more than 150 points.
- (c) Give the synonyms of the following words:
- i. Manifest
 - ii. Concentration
- (d) Give the antonyms of the following words:
- i. Intervension
 - ii. Advertise.

[8+4+2+2]

**I B.Tech. Supplementary Examinations, August/September -2007
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. Evaluate the achievements of Jagadis Chandra Bose in scientific experimentation. [16]
2. Give an account of the origin and growth of science fiction. [16]
3. How did Shanti Swarup Bhatnagar bridge the gap between fundamental research and its application? [16]
4. Identify the sources of noise pollution. Suggest a few effective measures to control it. [16]
5. Training is an inevitable and continuous process in an industrial setup. Do you agree to this proposition? Substantiate your view. [16]
6. What in your opinion are the benefits and drawbacks of technology? [16]
7. A team of entrepreneurs wish to open a chain of hostels for professional students. Prepare a feasibility report for submission to the secretary of the team. Your report may contain the following sub-titles:
Introduction
Present Situation Benefits
Drawbacks
Recommendations
Conclusion. [16]
8. (a) Provide appropriate dialogues for the following situations:
 - i. For want of sufficient time you could not buy the train ticket. You entered into the reservation compartment. Request the rule-minded ticket collector to accommodate you.

- ii. Your class teacher has been marking you absent for a long time in spite of the fact that you have been regular to his classes. May be, he has done so by mistake. Gently bring this to his notice for the sake of necessary correction.
- (b) i. Fill in the blanks in the following sentences with appropriate prepositions:
- Computer systems endowed _____ artificial intelligence have begun to make their mark _____ American manufacturing.
- (c) i. Rewrite the following sentences making corrections wherever necessary:
- A. Discuss with your partner about measures to check noise pollution in metropolitan areas.
- B. Bose has retired in 1913 and yet another phase in his creative career began.
- (d) i. Give synonyms for the following words:
- A. Replenish
- B. Affluence
- ii. Give antonyms for the following words:
- A. Perpetuate
- B. Contribution.

[8+2+2+2+2]

**I B.Tech. Supplementary Examinations, August/September -2007
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. Critically examine the view that the alternative energy technologies are inferior to those of commercial fuels. [16]
2. Give an account of the interests and aptitudes of C.V.Raman. [16]
3. Compare the features of solar energy with the features of energy from oil. [16]
4. What are the services rendered by Homi Jehangir Bhabha to the development of nuclear science in India? [16]
5. How does training of employees in a modern organization promote the interests of the organization, employees and the management? [16]
6. Road accidents have become a regular feature of life. Trace the causes of these accidents and recommend possible solutions in about 400 words. [16]
7. Prepare a report for submission to a business magnate interested in opening in your town a largescale electronic goods sales and services. The report may contain the following sub-headings:
Introduction
Market situation
Goods and Services in Demand
Recommendations
Conclusion [16]
8. (a) Provide appropriate dialogue for the following situations:
 - i. You have bought new clothes from Wonder World for your birthday. The clothes are tight. You want to exchange them or take the money back. But the Manager is refusing to admit either of them.

- ii. Your neighbour is in the habit of playing the TV at a high volume even at midnight. Try to persuade him to reduce the TV volume since you are preparing for your examinations.
- (b) Rewrite the following sentences making necessary corrections wherever necessary:
- i. In these critical times India certainly need nuclear power.
 - ii. From the economical point of view, solar cookers are ideal cooking devices for rural India.
 - iii. Salim Ali has returned from Germany in 1930, but there was no job for him in India.
 - iv. Homi Jehangir Bhabha grew up in an atmosphere of culture and also affluence as well.
- (c) Give synonymus of the following words:
- i. mobilize
 - ii. Sceptical
- (d) Give antonyms of the following words:
- i. absorb
 - ii. recognize
- [8+4+2+2]

**I B.Tech. Supplementary Examinations, August/September -2007
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. Clarify how harnessing the locally available renewable sources of energy will resolve the energy crisis of the country. [16]
2. Give an account of the mysteries that C.V.Raman solved. [16]
3. Will technology bring about a silent spring? What is the message contained in the fable, Silent Spring? [16]
4. Give a biographical profile of Homi Jehangir Bhabha. What is the new system of research that he introduced. [16]
5. With reference to a new electrical safety device, show the difference between a newspaper report and an advertisement as far as style and presentation are concerned. [16]
6. Write a general essay on frequent accidents on highways owing to narrow roads and overspread of vehicles. Your essay must make some positive recommendations. [16]
7. Now-a-days the problem of health and hygiene has reached a severely unbearable dimension threatening an outbreak of epidemics. Draft a report for submission the Municipal Commissioner of your town highlighting this problem and suggesting immediate remedial measures. Your report must contain the following sub-headings.
Introduction
Gravity of the situation
Remedial Measures
Conclusion [16]
8. (a) Provide appropriate dialogues for the following dialogues:

- i. You bought a wrist but it stopped working within a week. Meet the manager of the shop and demand a new watch or money back.
 - ii. You lost your cell phone in a city bus. Go to the nearest police station and make an oral complain to the station house officer.
- (b) Re write the following sentences making corrections wherever necessary.
- i. Every one of these disasters have happened somewhere.
 - ii. There was no room in India where Salim Ali could get such training.
- (c) Give synonyms for the following words:
- i. discover
 - ii. exhaust
- (d) Give antonyms for the following words:
- i. amazing
 - ii. initiate
- (e) Fill in the blanks in the following sentence with appropriate prepositions:
Tahima was soon infused —— her husband's love —— ornithology. [8+2+2+2+2]

[16]
