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B.TECH. (AEROSPACE ENGINEERING)
(BTAE/BTCLEVI/BTMEVI/BTELVI/BTECVI/
BTCSVI)

Term-End Examination

June, 2014

BAS-003 : TECHNICAL WRITING AND
COMMUNICATION SKILL

Time : 3 hours

Maximum Marks : 70

Note : Attempt ten questions in all.

Question No. 1 and 2 are compulsory.

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1. In the following questions, of the four given alternatives, choose the one which can be substituted for the given words/phrase. 7x1=7
- (a) The people in a theatre or cinema :
- (i) assembly (ii) crowd
(iii) audience (iv) spectators
- (b) A man who operates on sick people :
- (i) operator
(ii) surgeon
(iii) physician
(iv) physiotherapist
- (c) A book containing summarised information on all branches of knowledge :
- (i) dictionary
(ii) encyclopaedia
(iii) anthology
(iv) directory

- (d) An instrument for viewing objects at a distance :
- | | |
|-----------------|-------------------|
| (i) telescope | (ii) microscope |
| (iii) periscope | (iv) kaleidoscope |
- (e) A person who looks at the dark side of everything :
- | | |
|-----------------|---------------|
| (i) sadist | (ii) blind |
| (iii) pessimist | (iv) optimist |
- (f) Animals who eat flesh of other animals :
- | | |
|-------------------|---------------|
| (i) man-eater | (ii) beast |
| (iii) carnivorous | (iv) cannibal |
- (g) A woman married to several men at the same time :
- | | |
|------------------|----------------|
| (i) polygamy | (ii) polyandry |
| (iii) polysexual | (iv) polyglot |

2. In the following passage (Items (a) to (g)), a choice of four words marked (i), (ii), (iii) and (iv) is given at certain places. Select from these choices the appropriate word to keep the meaning of the sentence in order. You may take help from the next part of the passage to find the right choice.

Environment scientists are worried

7x1=7

- (a) (i) that (ii) while
(iii) this (iv) about

the green house effect

- (b) (i) those (ii) which
(iii) all (iv) various

has been noticed throughout the world. The green house effect is

- (c) (i) about (ii) on
(iii) actually (iv) as

a gradual warming up of the earth

- (d) (i) which (ii) all
(iii) this (iv) some

can disturb its natural environment. The main

- (e) (i) effect (ii) reason
(iii) solution (iv) cause

of the effect is the large-scale industrialisation in

- (f) (i) some (ii) almost
(iii) can (iv) various

all the countries of the world. The gases released by factories and power-driven vehicles

- (g) (i) are (ii) has
(iii) have (iv) can

made the Earth's protective cover weak.

3. Briefly explain why audience analysis is important before writing a technical document. 7
4. Write down a brief note on Global Warming. 7
5. Discuss the strengths and limitations of radio as an educational medium. Also state why audio cassettes/CDs have an edge over radio broadcast. 7
6. What are the guidelines for effective Public speaking and Group discussion ? 7
7. What do you understand by oral and written communication ? Describe their advantages and the ways you can make it effective. 7
8. What do you understand by conflict ? Explain the sources of conflict and its effects. 7
9. What important points about choice of words and sentence construction you must keep in mind, for effective verbal communication ? 7

10. In what situation will a telephonic conversation be more effective than an e-mail ? 7
11. Write an application with detail resume to the Managing Director of a reputed Aviation sector for the post of Aerospace Engineer. 7
12. Write an essay on **any one** of the following : 7
- (a) Current issues of Airlines Sectors
 - (b) Alternative fuels in transportation vehicles
 - (c) Scope of Mechatronics in Aerospace Engineering.
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