

**B.Sc. (Hons.) IN OPTOMETRY AND  
OPHTHALMIC TECHNIQUES**

00703

**Term-End Examination**

**December, 2012**

**BOS-001 : COMMUNICATIVE ENGLISH**

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : All questions are compulsory.*

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1. Read the following passage and answer the questions that follow :

As human civilizations have changed from agrarian to industrial economies, they have become increasingly dependent on fossil fuels (petroleum, coal and natural gas ) and derived forms of energy (heat and electricity). Early agricultural societies depended entirely on the energy of sunlight to grow food, and the energy of physical labour for its cultivation and harvest. Domestic animals, introduced later, converted food energy into fats, fibres and proteins and provided greater physical strength to draw ploughs, pull carts and turn waterwheels. These early societies obviously did not require electricity or combustion engines to drive machines.

The invention of the electric motor and the internal combustion engine in the nineteenth century changed this orientation completely. Firstly, these machines were a startling boost to productivity. They enabled man to do far more work and to cultivate and harvest greater acreage. Secondly, machines replaced draft animals, with the result that modern agricultural operations became dependent on petroleum and electricity. An absence of either one would be disastrous to present food production throughout much of the world.

Essentially the same transition has occurred in energy requirements for industrial, transportation and domestic needs. One hundred year ago, electricity was a novelty, automobiles were a freakish invention and the diesel truck was unknown. Since then, all three have become essential. A modern city cannot exist without electricity and petroleum. Within another hundred years we will have to find alternatives for the latter, since the world's reserves will not last that long, but our need for electrical energy will continue to rise.

Answer the following questions in your own words :

- (a) How have energy needs changed since the invention of the internal combustion engine ?

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- (b) Why will we have to find alternatives for petroleum in the next hundred years ? 2
- (c) What is the collective name for energy sources such as petroleum and coal ? 1
- (d) What two basic forms of energy were sufficient to support life in early agricultural societies ? 2
- (e) Give a title to the passage and justify it. 1
- (f) What inventions in the nineteenth century brought about radical changes ? 2
2. Write a paragraph on *any one* of the following : 10  
(150 words )
- (a) The role of media in our daily life.
- (b) The role of technology in optometry.
- (c) All doctors should serve atleast two years in rural areas.
3. Write a letter of complaint to the Municipal authority against poor drainage system in your locality. 10
4. What are the different steps of a report ? Discuss with an example. 5
5. What do you understand by summerising ? 5

product hits the market to make their lives that much more easy. A younger person would probably reach out for it in all eagerness).

In essence, therefore, the generation gap is a tug-o' war of change versus stability, new versus old, modern versus traditional. It does not have to become (and this is important ) a tug-o'-war of age versus youth. In fact, it need not take on the complexion of a confrontation at all. As Tennyson wrote.

*The old order changeth yielding place to new,  
And God fulfils himself in many ways,  
Lest one good custom should corrupt the world.*

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6. Change the following in passive voice : 5
- (a) The American representative made a very good presentation.
  - (b) The little boy plays the harmonium very well.
  - (c) He didn't pay the taxes this year.
  - (d) The students called off the strike at the request of the principal.
  - (e) One day they will forget his sacrifice.

7. Fill in the blanks with suitable prepositions. 5
- (a) You must respond \_\_\_\_\_ his query immediately.
  - (b) Macbeth is a play \_\_\_\_\_ Shakespeare.
  - (c) Can you give me some information \_\_\_\_\_ hotels in this city ?
  - (d) Are you interested \_\_\_\_\_ politics ?
  - (e) Her sister is very bad \_\_\_\_\_ writing letters.

8. Match the words in column 'A' with their synonyms in column 'B'. 5

'A'	'B'
Proximity	Mad
Rival	Faithful
Lunatic	Opponent
Loyal	Original
Authentic	Nearness

9. Match the words in Column 'A' with their antonyms in column 'B'. 5

'A'	'B'
Meticulous	Detach
Deprived	Mature
Sweet	Careless
Connect	Privileged
Childish	Sour

10. Make a summary of the following passage and supply an appropriate title : 10

The life and times of two generations cannot be identical or even similar, thanks to modern research, progress in science, faster and easier communications and even distasteful things like inflation and population explosion. All these ensure that the world we live in grows a new skin every few years. These changes in due course affect our thinking and influence our attitudes, expectations, behavioural patterns and values. These influences do, of course, work on humankind per se but they have the greatest impact on that section of society which is on the threshold of discovery - discovery of the self, of life and of living. For someone who has already measured swords with life a characteristic lifestyle is already in place. So such persons, used as they are to living on their own familiar terms, see no real need to change their habits every time a new