

**CERTIFICATE PROGRAMME IN
FUNCTIONAL ENGLISH (CFE)**

02756

Term-End Examination

June, 2010

BEG-005 : ENGLISH IN EDUCATION

Time : 3 hours

Maximum Marks : 100

Note : All questions are compulsory.

1. *Read the passage given below and answer the questions that follow :*

Measurement of water pollution

Water pollution may be analyzed through several broad categories of methods : physical, chemical and biological. Most involve collection of samples, followed by specialized analytical tests. Government agencies and research organizations have published standardized, validated analytical test methods to facilitate the comparability of results from disparate testing events.

Sampling

Sampling of water for physical or chemical testing can be done by several methods, depending on the accuracy needed and the characteristics of the contaminant. Many contamination events are sharply restricted in time, most commonly in association with rain events. For this reason "grab" samples are often inadequate for fully quantifying contaminant levels. Scientists gathering this type of data often employ auto-sampler devices that pump increments of water at either time of discharge intervals.

Sampling for biological testing involves collection of plants and/or animals from the surface water body. Depending on the type of assessment, the organisms may be identified for biosurveys (population counts) and returned to the water body, or they may be dissected for bioassays to determine toxicity.

Control of water pollution

In urban areas, domestic sewage is typically treated by centralized sewage treatment plants. In the U.S., most of these plants are operated by local government agencies. Municipal treatment plants are designed to control conventional pollutants : BOD and suspended solids. Well - designed and operated systems (i.e., secondary

02756

treatment or better) can remove 90 percent or more of these pollutants. Some plants have additional sub - systems to treat nutrients and pathogens. Most municipal plants are not designed to treat toxic pollutants found in industrial wastewater.

A household or business not served by a municipal treatment plant may have an individual septic tank, which treats the wastewater on site and discharges into the soil. Alternatively, domestic wastewater may be sent to a nearby privately - owned treatment system (e.g. in a rural community).

Industrial Wastewater

Some industrial facilities generate ordinary domestic sewage that can be treated by municipal facilities. Industries that generate wastewater with high concentrations of conventional pollutants (e.g. oil and grease), toxic pollutants (e.g. heavy metals, volatile organic compounds) or other nonconventional pollutants such as ammonia, need specialized treatment systems. Some of these facilities can install a pre - treatment system to remove the toxic components, and then send the partially - treated wastewater to the municipal system. Industries generating large volumes of wastewater typically operate their own complete on - site treatment systems.

Some industries have been successful at redesigning their manufacturing processes to reduce or eliminate pollutants, through a process called pollution prevention.

Heated water generated by power plants or manufacturing plants may be controlled with :

- cooling ponds, man - made bodies of water designed for cooling by evaporation, convection and radiation.
- cooling towers, which transfer waste heat to the atmosphere through evaporation and/or heat transfer.
- cogeneration, a process where waste heat is recycled for domestic and/or industrial heating purposes.

1. (a) Complete the sentences after reading the passage.

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- (i) Water pollution can be analysed by methods like _____.
- (ii) After the samples are collected they are analyzed by _____ .
- (iii) Grabs samples are not enough for _____.

(iv) Sampling for Biological testing involves _____ .

(v) Domestic sewage in urban areas in US is treated _____ .

(b) State whether the following statements are true or false : 5

(i) 90% of pollutants can be removed by well designed plants

(ii) Individual septic tanks serve no purpose.

(iii) Industries can operate their own onsite treatment

(iv) Heated water cannot be controlled

(v) Cooling towers transfer waste heat through evaporation.

(c) Use the words below to fill in the blanks : 10

analyzed, validated, facilitate, restricted, inadequate, devices, operated, additional, alternatively, generate, conventional

(i) I was able to _____ funds with great difficulty.

(ii) The teacher has to _____ learning.

- (iii) We had to move only in a _____ area.
- (iv) The results of the tests have to be _____ carefully.
- (v) These _____ are used by militants in terror stricken areas.
- (vi) I need _____ help to make the project a success.
- (vii) He _____ the machine very efficiently.
- (viii) The facilities in the department are grossly _____ .
- (ix) He _____ the results by checking all the other information.
- (x) The company is very _____ in its approach to most problems.

2. Complete these sentences by using the correct form of the verb : 10

- (a) I have never _____ (hear) a grown up cry before.
- (b) Her heart was _____ (pound) with fear when she _____ (hear) the strange sound.

- (c) She was _____ (surprise) _____
(hear) the news.
- (d) The family was _____ (hurt) and
_____ (upset) by his behaviour.
- (e) Everyone was _____ (laugh) when
they _____ (see) the baby's antics.
- (f) I will be _____ (announce) the results
shortly.

3. Pick out the subordinate clauses from the 10
sentences given below.

- (a) Please ensure that you are well prepared for
the examinations.
- (b) You must write to him because he is sure to
help you.
- (c) When he reaches there he will contact you.
- (d) Rohan said that he was not surprised when
he heard the news.
- (e) I enjoy teaching English to students who are
from the lower economic group.
- (f) As there is an inspection today attendance
will be hundred percent.
- (g) I walked to the mall as my driver was on
holiday.

- (h) Rajesh decided that he would continue to stay in America.
- (i) When you finish the assignment please call Mr. Arora.
- (j) If you learn to complete your work on time you will not regret it.

4. Fill in the blanks with appropriate prepositions : 5

of, in, with, to

- (a) Avoid plastic bags _____ all forms.
- (b) Keep a cloth bag _____ you always.
- (c) It is one way _____ being environment friendly.
- (d) When you hold parties, stick _____ small numbers.
- (e) You should cross the road _____ the Zebra crossing.

5. Edit the following paragraph. Underline the word that is wrongly used and correct the same. 10

Children had inborn creativity in them.

They natural flair for creativity for languages, for identified and honed early, is lead to further growth of enhancement of their skills.

It seem that at last the school boards have realised a usefulness of creative writing and translation, and, introduces them for the first time in the history of school education.

The course aim at a departure of the parameters of the four walls of the school, believing that children must also be linked to life outside the school.

6. Transform the following sentences from direct to indirect speech. 5

- (a) He rang up the shop and said "I want you to send me the groceries from the list within an hour".
- (b) She asked Ram, "Why have you not written the letter as yet ?"
- (c) He said, ' I will not be able to come today".
- (d) "I am not feeling well and cannot do this work," said Uniyal.
- (e) Ring the bell after every one hour," the Principal directed the Peon.

7. Use the linkers listed below to connect the sentences. 5

before, next, in the end, finally, after, by the time.

- (a) _____ you cook the vegetables you must wash them.
- (b) He completed his work _____ after a lot of persuasion.
- (c) _____ he reached the station, the train had left.
- (d) The story _____ turned out to be a happy one.
- (e) _____ You have read the story, talk about it.

8. You wish to join a school as an English teacher. 10
Write a letter to the Principal telling about yourself (150 words).

9. Imagine that you have lost your mobile telephone 10
at the airport. Write to the police describing the mobile (100 words).

10. Write an essay on Movies Today. (200 words) 15

Include details such as the following :

- What types of movies are made today.
 - What makes a good movie.
 - What type of movies do you like watching and why.
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