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Roll No. :

2015

ENGLISH & COMMUNICATION SKILLS

निर्धारित समय : तीन घंटे]

[अधिकतम अंक : 70

Time allowed : Three Hours]

[Maximum Marks : 70

नोट : (i) प्रथम प्रश्न अनिवार्य है, शेष में से किन्हीं पाँच के उत्तर दीजिये ।

Note : Question No. 1 is compulsory, answer any five questions from the remaining.

(ii) प्रत्येक प्रश्न के सभी भागों को क्रमवार एक साथ हल कीजिए ।

Solve all parts of a question consecutively together.

(iii) प्रत्येक प्रश्न को नये पृष्ठ से प्रारम्भ कीजिए ।

Start each question on a fresh page.

(iv) दोनों भाषाओं में अन्तर होने की स्थिति में अंग्रेजी अनुवाद ही मान्य है ।

Only English version is valid in case of difference in both the languages.

1. Write an essay of about 200 words on any one of the following :

Desertification : Meaning – Causes – Effects – Measures to control desertification. (10)

OR

Air pollution : Meaning – Sources of Air pollution – Effects – Ways to prevent air pollution.

2. (i) Change the following into indirect speech :

(a) The child said, "I have been waiting for an hour."

(b) The principal said, "I am not free."

(c) The doctor said, "Do you still have a headache?"

(d) He said, "Please lend me some money."

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(ii) Identify the pattern of the following sentences :

- (a) He teaches
- (b) I like tea
- (c) My sister is a doctor
- (d) I swept the room clean

(iii) Use the following idioms / phrases in sentences of your own :

- (a) instead of
- (b) Pass on
- (c) go through
- (d) look after

(4+4+4)

3. (i) Change the voice of the following :

- (a) We do not sell sports goods here.
- (b) Who has made this tea ?
- (c) They will construct a new hostel.
- (d) People still believe in superstitions.

(ii) Fill in the blanks with 'a', 'an' or 'the' :

- (a) For _____ Hindus _____ Ganga is _____ holy river.
- (b) Yesterday I met _____ Englishman.

(iii) Fill in the blanks with suitable prepositions :

- (a) It has been raining _____ morning.
- (b) I get up _____ eight o' clock.
- (c) He is watching TV _____ the next room.
- (d) Pachmari is five thousand feet _____ sea level.

(4+4+4)

4. (i) Fill in the blanks with modal auxiliaries suitable to the meaning indicated in brackets :

- (a) You _____ finish your food. (Compulsion)
- (b) She thinks she _____ do it. (Present ability)
- (c) He _____ argue with his father. (Lack of courage)
- (d) You _____ pay your dues in time. (Obligation)

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(ii) Transform the following sentences as directed :

- (a) He is the most intelligent boy in the class. (Negative)
- (b) Nobody was punctual. (Affirmative)
- (c) If only I were young again. (Exclamatory)
- (d) Who does not know you ? (Assertive)

(iii) Add a suitable suffix to the words given in brackets and fill in the blanks :

- (a) We should value the _____ of a wise person. (friend)
- (b) The constitution gives us _____ of speech. (free)
- (c) He lost his _____. (king)
- (d) He is a _____ by profession. (paint)

(4+4+4)

5. (i) Fill in the blanks with the correct form of the verbs given in brackets :

- (a) He _____ (go) to office by bus yesterday.
- (b) Some birds _____ (migrate) to warmer climates every year.
- (c) I _____ (wear) glasses since my childhood.
- (d) If I had money I _____ (buy) a new car.
- (e) By the time you come I _____. (leave)
- (f) Why that child _____ (cry) now ?

(ii) Correct the following :

- (a) Each of the participants were given a cash prize.
- (b) The sceneries of Kashmir are beautiful.
- (c) I am much glad to see you.
- (d) What you are saying ?
- (e) The wool keeps us warm.
- (f) The child is standing besides his brother.

(6+6)

6. Write a letter to your father asking his permission to join NCC in your college. Give reasons.

(12)

7. You are the president of students union of your college. Write a report to your principal about the 'Youth Festival' celebrated in your college.

(12)

P.T.O.

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

The word 'Robot' originated from the Czech word 'robota' which means a kind of slavery. It was introduced into English in 1921 by the playwright Karl Kapek in one of his plays where robots meant human like machines with intelligence and personality. This idea of robot persists even today. It is a machine programmed to perform automatically a number of mechanical tasks, especially dangerous or repetitive in nature.

The robot is a machine which can be programmed to do different tasks. It may weld metals, spray paint, spread glue, or do the job of loading or unloading. As a matter of fact, repetitive jobs are ideally suited to a robot because it can perform the same task without a break for twenty-four hours.

In order to understand what a typical industrial robot can do, we must look at its range of movement. Like a human being a robot has joints to provide as much flexibility as possible. Each joint is called a degree of freedom. Most industrial robots have five or six degrees of freedom and can rotate on their base almost a full circle. The robot arm has joints which correspond to the shoulder, elbow and wrist in human beings. At the end of the wrist is robot gripper which holds its tools with which it may be working at a given moment. Some robots can automatically change their gripper during an operation. For example, if the operation involves welding and spraying, the robot will hold a welding torch first and then switch over to a paint spray gun.

- (i) What is a robot ?
 - (ii) Why are repetitive jobs ideally suited to a robot ?
 - (iii) How many degrees of freedom does an industrial robot normally have ? (4×3)
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