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Your Roll No.....

5182

B.Sc. (H)/B.Sc. Phy. Sc./Life Science B

Paper—ENAT 101/STH 101

(Technical Writing and Communication in English)

(Admissions of 2010 and onwards)

Time : 3 Hours

Maximum Marks : 75

(Write your Roll No. on the top immediately on receipt of this question paper.)

Attempt All the questions.

1. Write short notes on any *three* of the following in about

75 words each :

5×3=15

(i) General Communication Vs. Technical Communication

(ii) The grapevine

(iii) Forms of communication in speech and writing

(iv) Information network models

(v) Non-verbal Communication.

P.T.O.

2. Answer either A or B :

- (A) Using the thesis statement given, write an essay of 3 paragraphs in about 200 words. 20

Young people should avoid eating too much junk food as it leads to malnutrition and obesity. Regular physical activity, too, helps in keeping the body, as well as the mind, healthy.

Or

- (B) (i) Using the topic sentence given, write a paragraph of about 100 words.

The internet has redefined traditional communication media.

and

- (ii) Write the introductory and the concluding paragraph, in about 50 words each, to the paragraph/passage given below. 2×10=20

Urban 'heat island' effect is a small part of global warming, white roofs don't reduce it.

The urban heat island effect is caused mostly by replacing soil and vegetation with paved roads, sidewalks and buildings. Paving prevents evaporation of water from the soil and plant leaves. Since evaporation is a cooling process, reducing evaporation warms cities. Additionally, the darker colors of some roads and buildings absorb more sunlight, heating a city further.

"Between 2 and 4 percent of the gross global warming since the Industrial Revolution may be due to urban heat islands," said Mark Z. Jacobson, a professor of civil and environmental engineering who led the study.

One "Geoengineering" proposal for reducing the impact of urban heat islands is to paint roofs

worldwide a reflective white. However, they caused a net global warming, as the increased sunlight reflected back into the atmosphere by white roofs increased absorption of light by dark pollutants such as black carbon, which further increased heating of the atmosphere.

One way to reduce emissions while simultaneously reducing summer air conditioning demand is to install photovoltaic panels on roofs. Such panels not only generate electricity, reducing emissions of fossil fuels from electricity-producing power plants, but they also reduce sunlight absorbed by buildings because they convert sunlight to electricity. Because photovoltaic panels do not reflect the sunlight back to the air, unlike white roofs, reflected light is not available to be absorbed again by pollutants in the air, creating heat.

3. (a) Draft a memorandum on behalf of the Vice Chancellor of Delhi University congratulating a science teacher of your college who recently received the National Award for Excellence for her/his outstanding contribution in the field of science.

Or

- (b) On behalf of the Students' Union of your college, submit a short report to the principal on the necessity of opening a Food Outlet Chain in the college campus. 10
4. (a) On behalf of the Secretary, prepare the minutes of the meeting of Science Forum held to plan a two-day Science Festival in the college.

Or

- (b) You have opened a Savings Account with a major bank. You received a Users' Guide to operate your account and use ATM/Debit Card. Prepare a similar kind of Instruction Guide for the Users which could include safeguards while operating Account, step by step operational instructions, Helpline No. etc. along with other points to be generally included in the format of a Users' Guide. 10

5. Rewrite as directed : 1×10=10

(i) Change the voice of the following sentences :

(a) Why did he give away all the books ?

(b) I copied the format from this book.

(ii) Change the following sentences from affirmative to negative or vice versa :

(a) The doctor said he did not find any symptoms of diabetes.

(b) I would definitely reach there by 7 in the evening.

(iii) Change the following sentences from direct to indirect speech or vice versa :

(a) She said to the police, "My neighbour is very noisy."

(b) "It is not possible to see Mr. Gandhi today", they said.

- (iv) Provide one word substitution for :

A good hearted and generous contributor.

- (v) (a) I thought I would be able to do it, but I could not. (Rewrite using "Although.....")

(b) He was ill. Still he did it. (Rewrite using "In spite of")

- (vi) Punctuate :

do you know who said all the worlds a stage

6. In the following passage there are ten grammatical errors.

Identify the errors and correct them.

10

It is difficult to determine precisely how developments by technology have altered the ways in which we interact.

Certainly, we hadn't been very good for predicting it. Take

a boom in text messaging, for instance. The functionality was

added to the mobile phone chips almost as an afterthought

to allows tests of the system. No one foresaw that adolescents

with less cash but a keen and active social network would latch on to it. Nor is it just humans that needs social interaction to communicate effectively. The ways in which different animals think, learn and communicate with each other is of particular interest to experimental psychologists. For example, it have found that shared food is a preferred items among corvids, not just to satisfy hunger but to convey a social message.