

Code No. **11 X**

COMMERCE EXAMINATIONS
ENGLISH SHORTHAND
PROFICIENCY GRADE – I Paper (Speed)

January, 2018

Time : { Dictation : 7 Minutes
Transcription : 105 Minutes
[Max. Marks : 100

Instructions to Readers :

The following passage should be dictated to the candidates at the rate of 150 words per minute as marked therein. They should be asked to take down the same in the reporting style of phonography and transcribe the same into longhand.

Global warming is a major atmospheric issue all over the world. Global warming is a gradual process of heating of earth's surface and whole environment including oceans, ice caps, etc. It needs to be discussed widely by / all countries worldwide to stop the effects of it. The global rise in atmospheric temperature has been clearly noticed in the recent years. According to the Environmental Protection Agency, in the past century there is increase in // the earth's surface average temperature. It has also been estimated that global temperature may increase by another 2 to

11.5 degrees Fahrenheit in the next century.

There are many causes of the global warming, some are natural causes /// and some are human made causes. The most important cause of global warming is greenhouse gases which are generated by some natural processes as well as human activities. The increase in the level of greenhouse gases has /1/ been seen in the 20th century because of the increasing population, economy and use of energy. Increasing demand of industrialization in the modern world to fulfil almost each need is

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causing the release of variety of green / house gases through many industrial processes in the atmosphere.

The release of carbon dioxide and sulphur dioxide gas has been increased in the recent years. The release of carbon dioxide gas varies according to the natural and // industrial processes including photosynthesis and oxidation cycles. Methane is another green house gas release in the atmosphere by the anaerobic decomposition of organic materials. Other greenhouse gases are like oxides of nitrogen, halocarbons, chlorofluorocarbons, chlorine and bromine compounds, /// etc. Such greenhouse gases get collected to the atmosphere and disturb the radiative balance of atmosphere. They have capability to absorb heat radiations and cause warming of the earth surface.

Another cause of global warming is ozone /2/ depletion means declination of ozone layer over Antarctica. Ozone layer is declining day by day by increasing

release of chlorofluorocarbon gas.

It is a human generated cause of global warming. Chlorofluorocarbon gas is used at many places / as aerosol propellants in the industrial cleaning fluids and in the refrigerators, the gradual release of which causes declination to the ozone layer in the atmosphere.

Ozone layer causes protection to the earth surface by inhibiting the // harmful sun rays to coming to the earth. However, gradually declining ozone layer is the big indication of increasing global warming of the earth surface. Harmful ultraviolet sun rays are entering to the biosphere and get absorbed by /// the green house gases which ultimately increase the global warming. According to the statistics, it has been estimated that the size of ozone hole has been twice the size of Antarctica. There is no any clear trend of /3/ ozone layer declination in the winter or summer seasons.

Presence of various aerosols in the atmosphere is also causing earth's surface temperature to

increase. Atmospheric aerosols are fully capable to scatter and absorb the solar and infrared / radiations. They are also capable to change the microphysical and chemical properties of the clouds and possibly their lifetime and extent. The increasing amount of aerosols in the atmosphere is because of human contribution. Dust is produced // by agriculture, organic droplets and soot particles are produced by biomass burning, and aerosols are produced by the industrial processes through the burning of wide variety of products in the manufacturing process. Various emissions by means of transport /// generate different pollutants which get converted to the aerosols through many chemical reactions in the atmosphere.

The effects of global warming have been very clear in the recent years because of increasing sources of global warming. Huge level /4/ climate changes are making hurricanes more dangerous and powerful. Natural storms are

getting so strong by taking energy from temperature difference. Year 2012 has been recorded as hottest year since 1895 and year 2013 together with 2003 / as the warmest year since 1880.

Increasing global warming lead to the more water evaporation from earth into the atmosphere, which in turn become a greenhouse gas and again causes rise in the global warming. Other processes// like burning of fossil fuels, use of fertilizers, rise in other gases like nitrous oxide are also the reasons of global warming. The ultimate causes of such reasons are the technological advancement, population explosion, increasing demand of industrial /// expansion, deforestation, priority towards urbanization, etc.

We are disturbing the natural processes through the deforestation and use of technological advancement like global carbon cycle, making hole in ozone layer, etc. and allowing the UV rays to come on /5/ earth thus increasing global warming. Plants are the

ultimate source of removing extra carbon dioxide from the air and making it in balance thus by just stopping the deforestation and enhancing people for more plantation we can / get success of reducing the global warming to a great level. Controlling the population growth is also a great hand towards reducing the global warming all through the world as it lessens the use of destructive technologies // on the earth.

Global warming causes lot of climate changes in the atmosphere such as increasing summer season, decreasing winter season, increasing temperature, changes in air circulation patterns, jet stream, rain without season, melting ice caps, declining ozone /// layer, occurrence of heavy storms, cyclones, flood, drought, and so many effects.

Many awareness programmes and programmes to reduce global warming have been run and implemented by the government agencies, business leaders, private

sectors, NGOs, etc. Some of /6/ 6 the damages through the global warming cannot be returned by the solution like melting of ice caps. However, we should not get back and try everyone's best to reduce the effects of global warming by reducing the / human causes of global warming. We should try to reduce the emissions of greenhouse gases to the atmosphere and adopt some climate changes which are already happening for years. Instead of using electrical energy we should try // to using clean 1/2 energy or energy produced by solar system, wind and geothermal. Reducing the level of coal and oil burning, use of transportation means, use of electrical devices, etc. may reduce the global warming to a great /// level. 3/4

We should take the issue of global warming very seriously and try our best to reduce the effects of it on the environment. We should follow all the rules and regulations planned and implemented by the government./7/ 7