

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016

Subject Code: 2721715

Date: 02/06/2016

Subject Name: CLIMATE CHANGE

Time: 10:30 am to 01:00 pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Write a short note on enhanced greenhouse effects. **07**
(b) Chose any two gases which has GWP higher then base & explain their effects on environment. **07**

- Q.2** (a) Write a S.N. on Kyoto protocol. **07**
(b) Through some lights on advantages of energy audit for reducing the GHG emission. **07**

OR

- (b) Explain the importance of understanding climate change in context of your relevant engineering field. **07**

- Q.3** (a) If any sodium based chemical industry wants to establish their plant at the coastal region of Gujarat then what are the likely impacts on that place? **07**
(b) Explain any one revolutionary mitigation measure taken in the field of transportation for minimizing the GHG. **07**

OR

- Q.3** (a) Write a short note on green building. **07**
(b) Which from these (or both) shows the better option for the reductions in GHG emission .1) Governmental policies or 2) engineering control **07**

- Q.4** (a) Explain the concept of CDM. **07**
(b) Write a short note on Carbon market. **07**

OR

- Q.4** (a) Explain the benefits of International emission trading. **07**
(b) Differentiate the renewable & non-renewable energy resources. **07**

- Q.5** (a) Write a short note on Annex-I and Annex-II countries with their role. **07**
(b) If the solid waste is dumped on the land then brief how the GHG emission will vary in winter season & summer season & in which it will be more? **07**

OR

- Q.5** (a) Write a Short note on impact of Climate change on human health. **07**
(b) Do the alternative analysis for the vehicle running on 3 different fuels in terms of their effect on climate change. **07**
