**Tribhuvan University Exam Regular \* Back**

**Institute of Engineering Level M. Sc. Full Marks 60**

**EXAMINATION CONTROL DIVISION Programme MSESSD Pass Marks 24**

# **2072 Chaitra Year/Part I/I Time 3 hrs**

## *SUBJECT: ENERGY FOR SUSTAINABLE URBAN AND RURAL PLANNING*

#Candidates are required to give their answers in their own words as far as practicable.

#Attempt **all** questions.

#The figures in the margin indicate **full marks**.

Q.No.1 Write the energy situation in the past, present and future. How can we solve the energy demand of future? (6+6 marks)

Q.No.2 Write the different criteria to build a eco-city. Describe any two criteria to build eco-city in traditional settlements of Kathmandu valley like Khokana, Bungamti, etc. (4+8 marks)

Q.No.3 Describe the energy consumption by economic sectors in Nepal with help of data. (12 marks)

Q.No.4 What do you mean by modern compact planning? How can you say modern compact planning is for sustainable town planning? (4+8 marks)

Q.No.5 Write short notes on any two: (6+6 marks)

1. Integrated transportation
2. Life style and human behavior for Energy Efficiency
3. International sustainable practices
4. Solar city concept