AC-3056
Second Year B. Sc. (Sem. IV) Examination
April/May - 2015
Non-Renewable Energy Source
(New Course)

Time : Hours] [Total Marks : 50

1. Name of the Examination:
   Second Year B. Sc. (Sem. IV)

2. Name of the Subject:
   Non-Renewable Energy Source (New)

3. Subject Code No.:
   3 0 5 6

4. Seat No.:

5. Section No. (1, 2,...) Nil

6. Student's Signature

1. नीवेदना प्रश्नोन्मूल्य मात्रायी प्रश्नों प्रेषण अर्थमा भए।
   (1) शास्त्रीय (पावच) मूल्यांक आपो अने तेहि अंकक जळणारांना.
   (2) नीवेदना शब्दोन्मूल्य पूरा नाम जळणारांना.
      (1) LMFBR
      (2) TIFR
      (3) मूल्यांकनाची आपस्स-आपस्सी मूल्यांक आपो.
      (4) युक्तिरेष्य अथवा (Ko)-नं मूल्यांक आपो.

2. मूल्यांकनाची आपस्स-आपस्सी मूल्यांकनाची 14 प्रश्न आपो अर्थमा पहल्यांतून परिलक्षित करो. तेहि आपस्स-आपस्सी करो.
ENGLISH VERSION

Instructions: (1) As per the Instruction No. 1 of Page No. 1.
(2) Symbols used have their usual meaning.
(3) Draw a neat diagram where necessary.
(4) Figures to right indicate full marks.

1. Answer the following questions in brief as directed: 8
   (1) Give the definition and unit of power.
   (2) Give the full form of following words:
      (a) LMFBR
      (b) TIFR
   (3) Define Binding Energy.
   (4) Define reproduction constant (Kₗ).
2 What is meant by nuclear breeding process? Describe construction and working of liquid metal fast breeder reactor. Discuss its defects.

OR

2 (a) Discuss the environmental effects of coal and its uses. 7
(b) Explain giving reasons why extraction of oil is more difficult as compared to that of coal. 7

3 Explain how can we obtain petroleum from Tarsand and oilshale. 14

OR

3 (a) Explain the statement: “Natural gas is most important energy source”. 7
(b) Explain Greenhouse effect. 7

4 Answer two of the following: 14
(1) Nuclear waste disposal
(2) Oil shale
(3) Global warming
(4) Energy problem in India.