

**NATIONAL CERTIFICATION EXAMINATION
FOR
ENERGY MANAGERS AND ENERGY AUDITORS - 2004**

Pattern/Break up of the number of questions and marks for the QUESTION PAPERS are as follows:

For Papers EM-1, EM-2, EM-3, EA-1, EA-2 and EA-3

Section – I : OBJECTIVE TYPE QUESTIONS - **Marks : 50x1 = 50**

50 questions, Each question carries one mark (Sub-Total : 50)

Section – II : SHORT DESCRIPTIVE QUESTIONS - **Marks : 10x5 = 50**

Ten questions, Each question carries **Five** marks (Sub-Total : 50)

Section – III : LONG DESCRIPTIVE QUESTIONS - **Marks : 5x10 = 50**

Five questions, Each question carries **Ten** marks (Sub-Total : 50)

Note: All questions are compulsory and there is no choice in any section. There are no negative marks for the objective type questions

**For Paper EA-4 : ENERGY PERFORMANCE ASSESSMENT FOR EQUIPMENT &
UTILITY SYSTEM (for EA only)**

Section – I : SHORT QUESTIONS - **Marks : 10x1=10**

10 questions, Each question carries **ONE** mark (Sub-Total : 10)

Section – II : LONG QUESTIONS - **Marks : 2x5=10**

2 questions, Each question carries **FIVE** marks (Sub-Total : 10)

Section – III : NUMERICAL QUESTIONS - **Marks : 4x20=80**

4 questions, Each question carries 20 marks ((Sub-Total : 80)

Note: All questions are compulsory and there is no choice. This is an open book examination.