**Roll No. : …………………………………….**

**MEERUT INSTITUTE OF ENGINEERING AND TECHNOLOGY**

NH-58, Delhi-Roorkee Highway, Baghpat Road Crossing, Meerut – 250 005 U.P.

**Sessional Examination / Class Test – I / II : Odd Semester 2022-23**

**Course/Branch : B Tech - ME Semester : V Subject Name : IC Engine and Compressors Max. Marks : 60**

**Subject Code : RME051 Time : 120 min**

***CO-1 :*** *On completion of this course, the student will be able to Understand the Air standard and Air fuel cycles and their thermodynamic analysis****.***

***CO-2 :*** *On completion of this course, the student will be able to understand the phenomena of combustion in SI Engine, carburetion, Ignition system and supercharging*

**Section – A (CO - 1 ) # Attempt both the questions # 30 Marks**

Q.1 : Attempt any **SIX** questions (Short Answer Type). Each question is of two marks. (2 x 6 = 12 Marks)

1. Statement of Question (BKL : K1-K2 Level).
2. Statement of Question (BKL : K1-K2 Level).
3. Statement of Question (BKL : K1-K2 Level).
4. Statement of Question (BKL : K1-K2 Level).
5. Statement of Question (BKL : K1-K2 Level).
6. Statement of Question (BKL : K1-K2 Level).
7. Statement of Question (BKL : K1-K2 Level).

Q.2 : Attempt any **THREE** questions (Medium Answer Type). Each question is of 6 marks. (3 x 6 = 18 Marks)

1. Statement of Question (BKL >= K3 Level).
2. Statement of Question (BKL >= K3 Level).
3. Statement of Question (BKL >= K3 Level).
4. Statement of Question (BKL >= K3 Level).
5. Statement of Question (High Order Thinking / Creativity)

**Section – B (CO - 2 ) # Attempt both the questions # 30 Marks**

Q.3 : Attempt any **SIX** questions (Short Answer Type). Each question is of two marks. (2 x 6 = 12 Marks)

1. Statement of Question (BKL : K1-K2 Level).
2. Statement of Question (BKL : K1-K2 Level).
3. Statement of Question (BKL : K1-K2 Level).
4. Statement of Question (BKL : K1-K2 Level).
5. Statement of Question (BKL : K1-K2 Level).
6. Statement of Question (BKL : K1-K2 Level).
7. Statement of Question (BKL : K1-K2 Level).

Q.4 : Attempt any **THREE** questions (Medium Answer Type). Each question is of 6 marks. (3 x 6 = 18 Marks)

1. Statement of Question (BKL >= K3 Level).
2. Statement of Question (BKL >= K3 Level).
3. Statement of Question (BKL >= K3 Level).
4. Statement of Question (BKL >= K3 Level).
5. Statement of Question (High Order Thinking / Creativity)

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**Roll No. : …………………………………….**

**MEERUT INSTITUTE OF ENGINEERING AND TECHNOLOGY**

NH-58, Delhi-Roorkee Highway, Baghpat Road Crossing, Meerut – 250 005 U.P.

**Pre University Test (PUT) : Odd Semester 2022-23**

**Course/Branch : B Tech - ME Semester : V Subject Name : IC Engine and Compressors Max. Marks : 100**

**Subject Code : RME051 Time : 180 min**

***CO-1 :*** *CO’s Statement*

***CO-2 :*** *CO’s Statement*

***CO-3 :*** *CO’s Statement*

***CO-4 :*** *CO’s Statement*

***CO-5 :*** *CO’s Statement*

**Section – A # 20 Marks (Short Answer Type Questions)**

Attempt **ALL** the questions. Each Question is of 2 marks (10 x 2 = 20 marks)

|  |  |  |
| --- | --- | --- |
| Q. No. | COx | Question Description # Attempt **ALL** the questions. Each Question is of 2 marks  |
| 1 | A | CO1 | Statement of Question (BKL : K1-K2 Level). |
|  | B | CO1 | Statement of Question (BKL : K1-K2 Level). |
|  | C | CO2 | Statement of Question (BKL : K1-K2 Level). |
|  | D | CO2 | Statement of Question (BKL : K1-K2 Level). |
|  | E | CO3 | Statement of Question (BKL : K1-K2 Level). |
|  | F | CO3 | Statement of Question (BKL : K1-K2 Level). |
|  | G | CO4 | Statement of Question (BKL : K1-K2 Level). |
|  | H | CO4 | Statement of Question (BKL : K1-K2 Level). |
|  | I | CO5 | Statement of Question (BKL : K1-K2 Level). |
|  | J | CO5 | Statement of Question (BKL : K1-K2 Level). |

**Section – B # 30 Marks (Long / Medium Answer Type Questions)**

Attempt **ALL** the questions. Each Question is of 6 marks (5 x 6 = 30 marks)

Q.2 (CO-1) : Question’s Statement

 OR

 Question’s Statement

Q.3 (CO-2) : Question’s Statement

 OR

 Question’s Statement

Q.4 (CO-3) : Question’s Statement

 OR

 Question’s Statement

Q.5 (CO-4) : Question’s Statement

 OR

 Question’s Statement

Q.6 (CO-5) : Question’s Statement

 OR

 Question’s Statement

**Section – C # 50 Marks (Medium / Long Answer Type Questions)**

Attempt **ALL** the questions. Each Question is of 10 marks.

Q.7 (CO-1) : Attempt any TWO / ONE question. Each question is of 5 / 10 marks.

a. Question’s Statement

b. Question’s Statement

c. Question’s Statement

Q.8 (CO-2) : Attempt any TWO / ONE question. Each question is of 5 / 10 marks.

a. Question’s Statement

b. Question’s Statement

c. Question’s Statement

Q.9 (CO-3) : Attempt any TWO / ONE question. Each question is of 5 / 10 marks.

a. Question’s Statement

b. Question’s Statement

c. Question’s Statement

Q.10 (CO-4) : Attempt any TWO / ONE question. Each question is of 5 / 10 marks.

a. Question’s Statement

b. Question’s Statement

c. Question’s Statement

Q.11 (CO-5) : Attempt any TWO / ONE question. Each question is of 5 / 10 marks.

a. Question’s Statement

b. Question’s Statement

c. Question’s Statement

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