Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**Supplementary Examination – June – 2017**

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| **Code :** | **13ME103** | **Duration :** | **3hrs** |
| **Sub. Name :** | **BASIC MECHANICAL ENGINEERING** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| Q. No. |  | Questions | Course  Outcome | Marks |
| 1. |  | Briefly explain about the two stroke petrol engine with neat sketch. | CO1 | 20 |
| (OR) | | | | |
| 2. |  | Discuss in Detail about the babcockwilcox boiler with neat diagram. | CO1 | 20 |
| 3. |  | Write in detail about the Hydro electric power plant with neat sketch. | CO1 | 20 |
| (OR) | | | | |
| 4. |  | Explain in detail about the Nuclear power plant with neat sketch. | CO1 | 20 |
| 5. |  | Briefly explain about the mechanical properties of materials and alloys. | CO1 | 20 |
| (OR) | | | | |
| 6. |  | Explain about the stress strain curve for ductile materials with neat sketch. | CO1 | 20 |
| 7. |  | Briefly explain about the moulding process with neat sketch. | CO1 | 20 |
| (OR) | | | | |
| 8. |  | Briefly discuss about the gas welding with neat sketch. | CO1 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | Write in detail about the working principles of drilling machine. | CO1 | 20 |

ALL THE BEST