Q.P. Code:18ME0346

| Reg | g. N | lo: | | | | | | | | | | | | | | |
|---|---|--|--|----------|---|---------|----------|---------|--|--------|--------|---------|-----------|---------|--------|-----------|
| SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR | | | | | | | | | | | | | | | | |
| | | | | | | | | TONC | | , | | | | | | |
| | | B.Te | ch II | Year | | | | | | | | natior | ns Jul | y-202 | 1 | |
| | | | | | N | | | CAL I | | | RING | | | | | |
| (Common to CE & AGE) Time: 3 hours Max. Marks: 60 | | | | | | | | | | | | | | | | |
| 1 1111 | | llouis | | | | | | PAR | Г-А | | | | Ivia | A. IVIA | KS. 00 | |
| | | | | | (Ansv | ver al | 1 the C | uestic | | 2 = 1 | 0 Mai | rks) | | | | |
| 1 | a | Define compression ratio. | | | | | | | | | | | | 2M | | |
| | b | | hat are the advantages of CRDI Engine? | | | | | | | | | | 2M | | | |
| | c | | | | | | | | | | | | | 2M | | |
| | d | | | | | | | | | | | | | | 2M | |
| | e | what is | the p | urpos | | ming | wach | | Г-R | | | | | | | 2M |
| | $\frac{PART-B}{PART-B}$ (Answer all Five Units 5 x 10 = 50 Marks) | | | | | | | | | | | | | | | |
| | | | | | ` | | | UNI | and the second second second | | | / | | | | |
| 2 | a Explain in detail about different process in Carnot Cycle. | | | | | | | | | | | 5M | | | | |
| | b | Express | the V | ander | walls | Equati | ion. | | | | | | | | | 5M |
| | | | | | | | | OF | R | | | | | | | |
| 3 | a | Define | | | | | | | | | | | | | | 5M |
| | b Express the Ideal Gas Equation. | | | | | | | | | | | | | | 5M | |
| 4 | UNIT-II a Explain about different types of Steam Turbines. | | | | | | | | | | | | | | | e da |
| 4 | a b | What ar | | | | | | | | am en | rines? | | | | | 5M 5M |
| | U | w nat ai | e the | auvai | nages | | ann tur | Off | | | gines: | | | | | JIVI |
| 5 | a | | | | | | | | | | | | | 5M | | |
| | b What is a Hybrid Engines? Explain its Types. | | | | | | | | | | | 5M | | | | |
| | | UNIT-III | | | | | | | | | | | | | | |
| 6 | a | Define I | | | | | | | | | | | | | | 5M |
| | b | What is | Coef | ficien | t of Pe | rform | ance? | | | | | | | | | 5M |
| - | | F 1 · | .1 | | C | 1 | | OF | | | | | | | | |
| 7 | a b | Explain Write th | | | | | | | | | dition | 2.11 | | | | 6M |
| | U | write th | ie auv | antag | es anu | Disa | | UNIT | A CONTRACTOR OF THE OWNER OF THE | ir con | anion | er. | | | | 4M |
| 8 | a | Define I | Engir | eerin | n Mate | rials | | UNII | -1 V | | | | | | | 5M |
| 0 | a b | Define p | - | | - | | vices | | | | | | | | | 5M |
| | N ^o | Denne | | | 51111001 | | | OF | R | | | | | | | JIVI |
| 9 | Wh | at are the | e diff | erent | types o | of Belt | t drive: | s? Exp | lain th | em wi | th nea | t diagi | am. | | | 10M |
| 10 | 9 | UNIT-V Briefly discuss about soldering. | | | | | | | | | | | | | | 5M |
| 10 | a b | Explain | | | | - | | 2 | | | | | | | | 5M 5M |
| | U. | Laplam | 4000 | it i org | ,ing all | a the | rtypes | , OF | ł | | | | | | | JIVI |
| 11 | Wit | th a near | t ske | tch, E | Explair | the | constr | | | workin | ig of | Shape | r Mac | hine a | nd its | 10M |
| | | erations. | | | 111 () () () () () () () () () | | | | | | | | | | | |
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