| | | | | | | CPD 4 P | | 1 DD 01 | | | ************************************** | | | | | | | | |
|-------|-------------------------------|--|---------------------|-----------|-------|---------|--------|----------|--------|---|--|--------------------|--------------|-------|-------------------------------------|--|--|--|--|
| | | | | | | | | | | NICAL EXAM | | | | | | | | | |
| | ⊿ ∥ | TEACHING AND EXAMINATION SCHEME FO PROGRAMME NAME: MECHANICAL ENGINEERING | | | | | | | | | | PROGRAMME CODE: ME | | | | | | | |
| | 1 | | : FULL TIM | | IC/IL | LINGI | | <u> </u> | | DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS) | | | | | | | | | |
| | | | | | | | | | | | | | SCHEME: C-15 | | | | | | |
| Sl.no | Course N | lame | | Course/QP | | Te | aching | Scheme | : | | | Examina | ation Sche | eme | | | | | |
| | | | ent | code | | (| Contac | t Hours | | | | | | | | | | | |
| | | | t d | | TH | TU | PR | Total | Credit | Exam Paper | Semes | ter End | CIE | Total | Min Marks for | | | | |
| | | | Teaching Department | | | | | | | Duration in Hrs | Ех | am | Marks | Marks | passing (including CIE marks) | | | | |
| | | | Teac | | | | | | | | Max Marks | Min Marks | | | | | | | |
| 1 | | ication Skills English | Sc&Huma | 15CP01E | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | | |
| 2 | | ineering ematics-I | Sc | 15SC01M | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | | |
| 3 | Work Sho | p Technology | ME | 15ME11T | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | | |
| 4 | | Engineering Graphics-I | | 15ME12D | - | 2 | 4 | 6 | 3 | 4 | 100 | 35 | 25 | 125 | 45 | | | | |
| 5 | Basic Computer Skills Lab | | ME | 15ME13P | - | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | | | |
| 6 | Basic Workshop Practice -I | | ME | 15ME14P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | | | |
| | | | | Total | 12 | 6 | 12 | 30 | 21 | | 500 | 190 | 150 | 650 | 250 | | | | |

1 Hr Theory = 1 Credit :: 2Hrs Practical/TU = 1 Credit .

QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

| | | | | | | | | | _ | | | | | | | | | |
|-------|---------------------------|---------------------------|------------|------------|------|------|---------|--------|--------|-------------|---|---------|------------|------------------|--------------------|--|--|--|
| | | | | K | | | | | | ECHNICAL EX | | | | | | | | |
| | | | | | | | | | | | ME FOR DIPLOMA PROGRAMME. PROGRAMME NAME: MECHANICAL ENGINEERING | | | | | | | |
| | | | | E NAME: MI | ECHA | NICA | L ENGI | NEERIN | | | | | | | | | | |
| | | | | LL TIME | | | | | | | | RAMME | : 3 YEAR | RS (6 SEMESTERS) | | | | |
| | | SEMESTER: II SCHEME: C-15 | | | | | | | | | | | | | | | | |
| Sl.no | Course Nar | me | | Course/QP | | T | eaching | Scheme | | | | Exam | ination Sc | heme | | | | |
| | | | ent | code | | | Contact | Hours | | | | | | | | | | |
| | | | tt. | | TH | TU | PR | Total | Credit | Exam Paper | Semes | ter End | CIE | Total | Min Marks for | | | |
| | | | Department | | | | | | | Duration in | Exam | | Marks | Marks | passing (including | | | |
| | | | De | | | | | | | Hrs | | | | | CIE marks) | | | |
| | | | gu | | | | | | | | | | | | | | | |
| | | | Chi | | | | | | | | | | | | | | | |
| | | | Teaching | | | | | | | | Max | Min | | | | | | |
| | | • | | | | | | | | | Marks | Marks | | | | | | |
| 1 | Enginee Mathemati | | Sc | 15SC02M | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | |
| 2 | Applied so | cience | Sc | 15SC03S | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | |
| | Basic Elect | | EE | | | | | | | | | | | | | | | |
| 3 | Electron | | | 15EE01E | 4 | | | 4 | 4 | 3 | 100 35 | | 25 | 125 | 45 | | | |
| | Enginee | | | | | | | | | | | | | | | | | |
| 4 | Enginee Graphic | | ME | 15ME21D | - | 2 | 4 | 6 | 3 | 4 | 100 | 35 | 25 | 125 | 45 | | | |
| 5 | Applied So Lab | | Sc | 15SC04P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | | |
| 6 | Basic Elect Electronic | | EE | 15EE02P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | | |

500

190

150

650

1 Hr Theory = 1 Credit :: 2Hrs Practical/TU = 1 Credit .

QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

Total

250

| | | | ** | 1 771 | | COL | | DD 05.5 | | *** | | mron pr | 33.70.13.73 | | | | | |
|-------|---|---------------------|---------|-------|----|--------|---------|--------------|--|--|-----------------|---------|-------------|-------|--------------------|--|--|--|
| | | | | | | | | | | | XAMINA DIDLO | | | | | | | |
| | TEACHING AND EXAMINATION S PROGRAMME NAME: MECHANICAL ENGINEERING | | | | | | | | PROGRAMME NAME: MECHANICAL ENGINEERING | | | | | | | | | |
| | PATTERN: FULL TIME | | | | | | | | | DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS) | | | | | | | | |
| | SEMEST | | | | | | | SCHEME: C-15 | | | | | | | | | | |
| Sl.no | Course Name | ıt | Course | | Te | aching | Scheme | : | | | | Examin | ation Sche | eme | | | | |
| | | ner | /QP | | (| Contac | t Hours | | | | | | | | | | | |
| | | Teaching Department | | TH | TU | PR | Total | Credit | Exam Pa | aper | Semes | ter End | CIE | Total | Min Marks for | | | |
| | | eb | | | | | | | Duration | • | | | Marks | Marks | passing (including | | | |
| | | g D | | | | | | | Hrs | | | | | | CIE marks) | | | |
| | | hin | | | | | | | | | | | | | | | | |
| | | eac | | | | | | | | | Max | Min | | | | | | |
| | | _ | | | | | | | | | Marks | Marks | | | | | | |
| 1 | Strength of Materials | ME | 15ME31T | 4 | | | 4 | 4 | 3 | | 100 | 35 | 25 | 125 | 45 | | | |
| 2 | Mechanics of machines | ME | 15ME32T | 4 | | | 4 | 4 | 3 | | 100 | 35 | 25 | 125 | 45 | | | |
| 3 | Mechanical Measurements | ME | 15ME33T | 4 | | | 4 | 4 | 3 | | 100 | 35 | 25 | 125 | 45 | | | |
| 4 | Machine Drawing | ME | 15ME34D | | 2 | 4 | 6 | 3 | 4 | | 100 | 35 | 25 | 125 | 45 | | | |
| 5 | Mechanical Computer Aided Drafting (MCAD) | ME | 15ME35P | | 2 | 4 | 6 | 3 | 3 | | 50 | 25 | 25 | 75 | 35 | | | |
| 6 | Basic Work Shop -II | ME | 15ME36P | | 2 | 4 | 6 | 3 | 3 | | 50 | 25 | 25 | 75 | 35 | | | |
| 7 | Mechanical Testing & Quality Control Lab | ME | 15ME37P | | 2 | 4 | 6 | 3 | 3 | | 50 | 25 | 25 | 75 | 35 | | | |
| | ., ., | | | 12 | 8 | 16 | 36 | 24 | | | 550 | 215 | 175 | 725 | 285 | | | |

1 Hr Theory = 1 Credit :: 2Hrs Practical/TU = 1 Credit .

QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

| | | KARNATAKA STATE BOARD OF TECHNICAL EXAMINATION, BENGALURU. TEACHING AND EXAMINATION SCHEME FOR DIPLOMA PROGRAMME. | | | | | | | | | | | | |
|-------|---|--|-----------|--|-----|---|---------|--------|-------------|-------|---------|------------|-------|----------------|
| | PROGRA | | | | | | | | | | | | | |
| | PATTER | CHA | | PROGRAMME NAME: MECHANICAL ENGINEERING | | | | | | | | | | |
| | PATIEN | an: ru | LL HIME | | | DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS) | | | | | | | | |
| | SEMEST | $\overline{\mathbf{V}}$ | | | SCH | EME: C-1 | .5 | | | | | | | |
| Sl.no | Course Name | | Course/QP | | Te | aching | Scheme | | · | | Examin | ation Sche | eme | |
| | | ent | code | | (| Contac | t Hours | | | | | | | |
| | | Department | | TH | TU | PR | Total | Credit | Exam Paper | Semes | ter End | CIE | Total | Min Marks for |
| | | eba | | | | | | | Duration in | Ex | am | Marks | Marks | passing |
| | | Q 20 | | | | | | | Hrs | | | | | (including CIE |
| | | hing | | | | | | | | | | | | marks) |
| | | Teaching] | | | | | | | | Max | Min | | | |
| | | | | | | | | | | Marks | Marks | | | |
| 1 | Hydraulics & Pneumatics | ME | 15ME41T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 |
| 2 | Basic Thermal Engineering | ME | 15ME42T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 |
| 3 | Machine Tool Technology | ME | 15ME43T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 |
| 4 | Professional Ethics & Indian Constitution | ME | 15ME44T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 |
| 5 | Hydraulics & Pneumatics Lab | ME | 15ME45P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 |
| 6 | Machine shop | ME | 15ME46P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 |
| 7 | C Programming lab | ME | 15ME47P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 |
| | | | | 16 | 6 | 12 | 34 | 25 | | 550 | 215 | 175 | 725 | 285 |

1 Hr Theory = 1 Credit :: 2 Hrs Practical/TU = 1 Credit .

QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

| _ | | | | | | | | | | | | | | 1 | | |
|----|---|---|---------|----|----|--------|---------|--------|--|--|---------|------------|-------|--------------------|--|--|
| | | KARNATAKA STATE BOARD OF TECHNICAL EXAMINATION, BENGALURU. TEACHING AND EXAMINATION SCHEME FOR DIPLOMA PROGRAMME. | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | PROGRAMME NAME: MECHANICAL ENGINEERING PATTERN: FULL TIME | | | | | | | | PROGRAMME NAME: MECHANICAL ENGINEERING | | | | | | | |
| | | | | | | | | | | DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS) | | | | | | |
| | SEMEST | ER: V | | ı | | | ~ 1 | | SCHE | EME: C-1 | | | | | | |
| Sl | Course Name | nt | Course | | | | Scheme | | | | Examin | ation Sche | eme | | | |
| no | | me | /QP | | (| Contac | t Hours | | | | | | | | | |
| | | Department | code | TH | TU | PR | Total | Credit | Exam Paper | Semes | ter End | CIE | Total | Min Marks for | | |
| | | eb | | | | | | | Duration in | Ex | am | Marks | Marks | passing (including | | |
| | | O, | | | | | | | Hrs | | | | | CIE marks) | | |
| | | iii | | | | | | | | | | | | | | |
| | | ach | | | | | | | | 14 | 1.4. | | | | | |
| | | Teaching] | | | | | | | | Max | Min | | | | | |
| 1 | T. 1. d. C. 1 M | | 15ME51T | 1 | | | 4 | 4 | 2 | Marks | Marks | 25 | 105 | 45 | | |
| 1 | Industrial Management | ME | 15ME51T | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | |
| 2 | Applied Thermal Engg. | ME | 15ME52T | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | |
| 3 | Machine Design | ME | 15ME53T | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | |
| 4 | Mechatronics | ME | 15ME54T | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | |
| 5 | Professional Practices | ME | 15ME55P | - | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | |
| 6 | Thermal Engg. Lab | ME | 15ME56P | - | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | |
| 7 | Mechatronics Lab | ME | 15ME57P | - | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | |
| 8 | Project work-I | ME | 15ME58P | - | - | 3 | 3 | - | - | - | - | 25 | 25 | - | | |
| | | | | 16 | 6 | 15 | 37 | 25 | | 550 | 215 | 200 | 750 | 285 | | |

1 Hr Theory = 1 Credit :: 2Hrs Practical/TU = 1 Credit .

QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

| | | | | T. A. I | | 1 T 7 1 (| | E DO A D | D OF TE | | | TON DE | NOATII | | | | | |
|-----|--|--------------------|------------|------------|----|------------------|--------|----------|--------------|-------------|--|---------|------------|-------|----------------|--|--|--|
| | | | | | | | | | CHNICAL EX | | | | | | | | | |
| | TEACHING AND EXAMINATION SCHEME PROGRAMME NAME: MECHANICAL ENGINEERING | | | | | | | | | | PROGRAMME NAME: MECHANICAL ENGINEERING | | | | | | | |
| | PROGRAMME NAME: MECHANICAL ENGINEERING PATTERN: FULL TIME | | | | | | | | | | | | | | | | | |
| | O | PATIERN: FULL TIME | | | | | | | | | DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS) | | | | | | | |
| | | SEMEST | ER: V | / I | | | | | SCHEME: C-15 | | | | | | | | | |
| S1. | Course Name | | | Course/QP | | Te | aching | Scheme | | | | | ation Sche | eme | | | | |
| no | | | ınt | code | | | | t Hours | | 1 | | | | | | | | |
| | | | Department | | TH | TU | PR | Total | Credit | Exam Paper | Semes | ter End | CIE | Total | Min Marks for | | | |
| | | | par | | | | | | | Duration in | Ex | am | Marks | Marks | passing | | | |
| | | | De | | | | | | | Hrs | | | | | (including CIE | | | |
| | | | ing | | | | | | | | | | | | marks) | | | |
| | | | Teaching | | | | | | | | Max | Min | | | | | | |
| | | | Tea | | | | | | | | Marks | Marks | | | | | | |
| 1 | Estimation & C | Costing | ME | 15ME61T | 4 | _ | _ | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | |
| 2 | Computer Inte | | ME | 15ME(2T | | | | 4 | | | | | | | - | | | |
| 2 | Manufacturing | 5 | | 15ME62T | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | |
| 3 | Elective Cours | se | ME | *** | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | |
| 4 | CNC Lab | | ME | 15ME64P | - | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | | |
| _ | Computer Aid | | ME | 151 (5) | | | 4 | | | 2 | 50 | 25 | 25 | 75 | 25 | | | |
| 5 | Analysis and S Lab (CASA) | imulation | | 15ME65P | - | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | | |
| 6 | Project Work- | II | ME | 15ME66P | _ | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | | |
| 7 | In plant Traini | | ME | 15ME67P | _ | | 4 | 4 | 2 | - | - | - | 25 | 25 | - | | | |
| | • | | | | 12 | 6 | 16 | 34 | 23 | | 450 | 180 | 175 | 625 | 240 | | | |

1 Hr Theory = 1 Credit :: 2 Hrs Practical/TU = 1 Credit .

QP Code- Question Paper code :: TH-Theory Hours :: TU-Tutorial :: PR-Practical

***Elective Courses/Course Code:

| 1.Automobile Engg15ME63A | 2.Power Plant Engg15ME63B | 3.Renewable Energy Resources-15ME63C | 4.Refrigeration & Air conditioning-15ME63F |
|--------------------------|---------------------------|--------------------------------------|--|