Scheme and identification of subjects

| | | | |] | KARN | ATAK | A STA | TE BOA | RD OF T | ECHNIC | CAL EX | AMINAT | TON, BE | NGALUR | U. | | |
|--------|---------------------------|------------------------------|----------|----------|-------------------|-------|-------|--------|---------|--------------------------------|--------------------|--|----------|--------|-------------------------------|---------------|--|
| | 1 | | | | TEA | .CHIN | G ANI |) EXAM | INATION | SCHEM | 1E FOR | DIPLOM | [A PROG] | RAMME. | | | |
| | 1 | P | ROGR. | AMME NAI | | | | | EERING | | PROGRAMME CODE: AT | | | | | | |
| | 1 | | | PAT | ATTERN: FULL TIME | | | | | | | DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS) | | | | | |
| | T | | 1 | T | SEMI | ESTER | | | | | SCHEME: C15 | | | | | | |
| | | | l t | | Teaching Scheme | | | | | | Examination Scheme | | | | | | |
| | | | neı | | Contact Hours | | | | | | | | | | | | |
| | | artr | | | TH | TU | PR | Total | Credit | | | | | | | | |
| Sl.no | Course | Noma | Эер | Course | | | | | | | D | Semest | ter End | CIE | Total | Min Marks for | |
| 51.110 | Course | ame amen Teaching Department | /QP code | | | | | | | kam Paper uration in Hrs | Exam | | Marks | Marks | passing (including CIE marks) | | |
| | | | | | | | | | | | | | | | | CIE marks) | |
| | | | | | | | | | | 111 | 13 | Max | Min | | | | |
| | | | L | | | | | | | | | Marks | Marks | | | | |
| 1 | Communic Skills in Er | | Hu | 15CP01E | 4 | | | 4 | 4 | 3 | } | 100 | 35 | 25 | 125 | 45 | |
| 2 | Engineerin | g Maths -I | Sc | 15SC01M | 4 | | | 4 | 4 | 3 | } | 100 | 35 | 25 | 125 | 45 | |
| 3 | Automobile Engineering | | AT | 15AT11T | 4 | | | 4 | 4 | 3 | } | 100 | 35 | 25 | 125 | 45 | |
| 4 | Engineering Graphics - | | ME | 15ME12D | | 2 | 4 | 6 | 3 | 4 | ļ | 100 | 35 | 25 | 125 | 45 | |
| 5 | Basic Com Skills Lab | puter | AT | 15AT12P | | 2 | 4 | 6 | 3 | 3 | } | 50 | 25 | 25 | 75 | 35 | |
| 6 | Automobile Engineering | | AT | 15AT13P | | 2 | 4 | 6 | 3 | 3 | } | 50 | 25 | 25 | 75 | 35 | |
| | Eligineering Lao - 1 | | | 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

| | | | | V | ADNIA | TAV | A CTA | TE DOA | DD OF TI | ECHNICAL E | VAMINIAT | ION DEN | ICALLID: | ГТ | | |
|----------|---------------------------|------|---------------------------|--------------------|-----------------|-------|---------|--------|----------|----------------------------------|--|--------------|--------------------------|---|-----------|--|
| | _ | | | N | | | | | | SCHEME FO | | | | U. | | |
| ' | | P | ROGRA | AMME NAM | | | | | | SCHEWE 1 0 | K DII LOM | | | CODE: A | Γ | |
| _ | _ | | | | TERN | | | | | DU | DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS) | | | | | |
| | | | | | SEME | STER: | II | | | | SCHEME: C-15 | | | | | |
| | | | ıt | | Teaching Scheme | | | | | | | Evenin | ation Sah | am a | | |
| | | | nen | | | (| Contact | Hours | | Examination Scheme | | | | | | |
| | Sl.no Course Name | | am am Teaching Department | | TH | TU | PR | Total | Credit | | | | | | 35.35.1.0 | |
| Sl.no | | | | Course /QP code | | | | | | Exam Paper Duration in Hrs | ration in Exam | | CIE Total Marks Marks | Min Marks for passing (including CIE marks) | | |
| | | | | | | | | | | | Max Marks | Min Marks | | | | |
| 1 | Engineering Mathematics | | Sc | 15SC02M | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | |
| 2 | Applied Scie | ence | Sc | 15SC03S | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | |
| 3 | Automobile Engineering | | AT | 15AT21T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | |
| 4 | Engineering Graphics - II | | ME | 15ME21D | | 2 | 4 | 6 | 3 | 4 | 100 | 35 | 25 | 125 | 45 | |
| 5 | Applied Science Lab | | Sc | 15SC04P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | |
| 6 | Automobile Engineering | | AT | 15AT22P | | 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

| | | KARNATAKA STATE BOARD OF TECHNIC | AL EXAMINATION, BENGALURU. | | | | | |
|---|----------|--|-----------------------------------|--|--|--|--|--|
| | | TEACHING AND EXAMINATION SCHEM | E FOR DIPLOMA PROGRAMME. | | | | | |
| • | , | PROGRAMME NAME: AUTOMOBILE ENGINEERING | PROGRAMME CODE: AT | | | | | |
| | | PATTERN: FULL TIME | DURATION OF PROGRAMME: 3 YEARS (6 | | | | | |
| | | FATTERN, FULL TIME | SEMESTERS) | | | | | |
| | | SEMESTER: III | SCHEME: C-15 | | | | | |

| | | | | | | | g Schem | e | | | Examina | ation Sch | eme | |
|-------|---------------------------|---------------------|-----------------|--------|----|--------|---------|--------|---------------|-------|---------------|--------------|----------------|------------------------|
| | | ien1 | | | (| Contac | t Hours | | | | LAGIIIII | ition Sch | CITIC | |
| | | Teaching Department | Course /OB | T H | TU | PR | Total | Credit | | | - F 1 | CITE | T 1 | Min Marks for |
| Sl.no | Course Name | De | Course /QP code | | | | | | Exam Paper | | ter End am | CIE Marks | Total Marks | passing (including CIE |
| | | ching | code | | | | | | Duration in | LA | am | Marks | Iviaiks | marks) |
| | | [ea | | | | | | | Hrs | Max | Min | | | |
| | Strength of | | | | | | | | | Marks | Marks | | | |
| 1 | Strength of Materials | ME | 15ME31T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 |
| | Heat Power | | | | | | | | | | | | | |
| 2 | Engineering | AT | 15AT31T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 |
| | Mechanical | | | | | | | | | | | | | |
| 3 | Workshop | ME | 15ME05T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 |
| | Technology | | | | | | | | | | | | | |
| | Automobile | | | | | | | _ | _ | | | | | |
| 4 | Transmission & | AT | 15AT32T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 |
| | Control systems | | | | | | | | | | | | | |
| | Automobile transmission & | | | | | | | | | | | | | |
| 5 | Control systems | AT | 15AT33P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 |
| | Lab | | | | | | | | | | | | | |
| | Mechanical | | | | | | | | | | | | | |
| 6 | testing & Quality | ME | 15ME37P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 |
| | control lab | | | | | | | | | | | | | |
| 7 | Machine shop | ME | 15ME46P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 |
| | | | Total | 16 | 6 | 12 | 34 | 25 | 21 | 550 | 215 | 175 | 725 | 285 |

| KARNATAKA STATE BOARD OF TECHNIC | AL EXAMINATION, BENGALURU. |
|--|--|
| TEACHING AND EXAMINATION SCHEM | E FOR DIPLOMA PROGRAMME. |
| PROGRAMME NAME: AUTOMOBILE ENGINEERING | PROGRAMME CODE: AT |
| PATTERN: FULL TIME | DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS) |
| SEMESTER: IV | SCHEME: C-15 |

| | | ınt | | | | | g Scheme | : | | | Examin | ation Sche | eme | |
|-------|---|---------------------|--------------------|----|----|----|----------|--------|---------------|-------------------|--------------|--------------|----------------|--------------------------------------|
| | | l e | | | | | t Hours | T | | T | | 1 | 1 | T |
| Sl.no | Course Name | Teaching Department | Course /QP code | TH | TU | PR | Total | Credit | Exam Paper | Semester End Exan | | CIE Marks | Total Marks | Min Marks for passing (including CIE |
| | | ching | | | | | | | Duration | | | TVIUIKS | TYTATTIS | marks) |
| | | Tea | | | | | | | in Hrs | Max Marks | Min Marks | | | |
| 1 | Fluid Power Transmission &Control System | AT | 15AT41T | 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 | Professional Ethics & IC | ME | 15ME44T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 |
| 4 | Automobile Electrical & Electronics systems | AT | 15AT42T | 4 | | | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 |
| 5 | Computer Aided Assembly Drawing | AT | 15AT43D | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 |
| 6 | Automobile Electrical & Electronics systems Lab | AT | 15AT44P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 |
| 7 | Mechanical work shop practice | ME | 15ME06P | | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 |
| | | | Total | 16 | 6 | 12 | 34 | 25 | 21 | 550 | 215 | 175 | 725 | 285 |

| | | | KARNATAKA STATE BOARD OF TECHNICAL EXAMINATION, BENGALURU. TEACHING AND EXAMINATION SCHEME FOR DIPLOMA PROGRAMME. | | | | | | | | | | | | | | | | |
|-----|------------|---------------|---|--------------|------|------|------|---------|---|--------|----------|--------------|----------|-----------|---------------|--|-------|-------|--------------------|
| | | | | | | | | | | | | | | | | | | | |
| | | PROGRAMME N | | | BILE | ENGI | NEER | RING | PROGRAMME NAME: AUTOMOBILE ENGINEERING DURATION OF PROGRAMME: 3 YEARS (6 SEMESTERS) | | | | | | | | | | |
| | | PATTERN: FULL | TIME | E | | | | | _ | | | <u>RAMME</u> | : 3 YEAI | RS (6 SEM | IESTERS) | | | | |
| | | SEMESTER: VI | | | | | | | SCHEME: C-15 | | | | | | | | | | |
| SL. | Course Nar | ne | | Course | | | | Scheme | Examination Scheme | | | | | | | | | | |
| NO |) | | | /QP code | | | | t Hours | | | | | | | | | | | |
| | | | | | TH | TU | PR | Total | Credit | Exam | End Exam | | ΙA | Total | Min Marks for | | | | |
| | | | | | | | | | | | | | | Paper | | | Marks | Marks | passing (including |
| | | | ng | | | | | | | Durati | | | | | IA marks) | | | | |
| | | | chi ar | | | | | | | on in | | 1 | | | | | | | |
| | | | Teaching Department | | | | | | | Hrs | Max | Min | | | | | | | |
| | | | T | | | | | | | | Marks | Marks | | | | | | | |
| | TRANSPO | | | | | | | | | | | | | | | | | | |
| 1 | INDUSTRI | | AT | 15AT51T | 4 | _ | _ | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | | |
| | MANAGE | MENT | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | ADVANCE | ED AUTOMOTIVE | AT | | | | | | | | | | | | | | | | |
| 2 | SYSTEMS | | AI | 15AT52T | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 2 | DESIGN O | F MACHINE | AT | 15 A T 5 2 T | 4 | | | 4 | 4 | 2 | 100 | 2.5 | 25 | 125 | 4.5 | | | | |
| 3 | ELEMENT | S | | 15AT53T | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | | |
| 4 | | | AT | *** | 4 | _ | _ | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | | | | |
| 4 | ELECTIVE | 3 | | | 4 | - | _ | 4 | 4 | 3 | 100 | 33 | 23 | 123 | 43 | | | | |
| 5 | PARAMET | CRIC | AT | 15AT55P | _ | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | | | |
| | MODELLI | | | 13/1335 | | | 4 | | 3 | 3 | 30 | 23 | 43 | 13 | 33 | | | | |
| 6 | | ED AUTOMOBILE | AT | 15AT56P | _ | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | | | |
| U | SYSTEMS | | | 13/1301 | | | 4 | 0 | 3 | 3 | 30 | 23 | 43 | 13 | 33 | | | | |
| 7 | | ONAL PRACTICE | AT | 15AT57P | _ | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | | | | |
| , | LAB | | | 13/113/1 | | | 7 | U | 5 | | 30 | 23 | 23 | 13 | 33 | | | | |
| | | | AT | | | | | | | END | | | | | | | | | |
| 8 | | | 711 | 15AT58P | - | - | 3 | 3 | - | OF VI | | | 25 | 25 | - | | | | |
| | PROJECT ' | WORK | | | | | | | | SEM. | | | | | | | | | |
| | 1 | | | | 16 | 6 | 15 | 37 | 25 | | 550 | 215 | 200 | 750 | 285 | | | | |

16 6 15 37 25 550 215 200 750 285 1 Hr Theory = 1 Credit: 2Hrs Practical/TU = 1 Credit. Q Code- Question Paper code:: TH-Theory Hours :: TU-Tutorial :: PR-Practical

ELECTIVE SUBJECTS

| SL.NO | Course Code | NAME OF THE ELECTIVE COURSE |
|-------|-------------|--|
| 01 | 15AT54A | FARM TRACTORS AND CONSTRUCTION EQUIPMENTS. |
| 02 | 15AT54B | ENERGY RESOURCES & ALTERNATIVE FUELS |
| 03 | 15AT54C | VEHICLE BODY ENGINEERING. |

| | | | | T/ | ADNI | ATAK | A STA | TE PO | ADD OF | TECHNIC | TAL EX | AMINAT | TION DEN | IGALURU. | | |
|------|-----------------------------------|----------------|---------------------|---------|------------------------|------|-------|--------|--------|--------------------|---------------|-----------------|-----------------------------|----------------|--|---------|
| | | | | N | | | | | | N SCHEM | | | | | | |
| | 6 | PROGR. | AMME | NAME: A | | | | | | | | | | | INEERING | |
| | | | | LL TIME | | | | | | | | PROGR | RAMME: 3 | YEARS (6 | SEMESTERS) | |
| | | SEMEST | ΓER: V | | • | | | | | SCHEM | E: C-15 | | | | | |
| SL.N | Course N | lame | | Course/ | | | | Scheme | | Examination Scheme | | | | | | |
| O | | | | QP code | TH | | | Hours | C 1'4 | Г | Evan End Evan | | I A Total Min Manler Commen | | | |
| | | | = | | TH | TU | PR | Total | Credit | Exam Paper | End Exam | | I A Marks | Total Marks | Min Marks for passing (including IA marks) | |
| | | | | | Teaching Department | | | | | | | Duration in Hrs | Duration | | IVIAIKS | IVIAIKS |
| | | | Teaching Departm | | | | | 4 | | 111 1110 | Max Marks | Min Marks | | | | |
| 1 | AUTOM MECHA | | | 15AT61T | 4 | _ | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | |
| 2 | AUTOM ELECTR | | AT | 15AT62T | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | |
| 3 | ENGINE MAITEN AND ESTIMA | NANCE | AT | 15AT63T | 4 | - | - | 4 | 4 | 3 | 100 | 35 | 25 | 125 | 45 | |
| 4 | ENGINE TESTING |) | AT | 15AT64P | - | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | |
| 5 | ENGINE CONDIT LAB | RE- TIONING | AT | 15AT65P | - | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | |
| 6 | PROJEC WORK | T | AT | 15AT66P | - | 2 | 4 | 6 | 3 | 3 | 50 | 25 | 25 | 75 | 35 | |
| 7 | INPLAI TRAINII | | AT | 15AT67P | | - | 4 | 4 | 2 | - | - | - | 25 | 25 | - | |
| | | _ | | | | 1 | | | | | | | | | 1 | |

12 6 19 37 23 450 180 175 625 24

1 Hr Theory = 1 Credit: 2Hrs Practical/TU = 1 Credit. Q Code- Question Paper code:: TH-Theory Hours :: TU-Tutorial :: PR-Practical

3

ΑT

DRIVING

PRACTICE

8

240