

CURRICULAR STRUCTURE FOR PART - I FIRST SEMESTER OF THE
FULL-TIME DIPLOMA COURSES IN SURVEY ENGINEERING

| SL. No. | SUBJECT CODE | SUBJECT OF STUDY | CONTACT PERIODS / WEEK | | | EXAMINATION SCHEME | | | | FULL MARKS | | PAGE No. |
|------------------------------|-----------------------|-------------------------------------|------------------------|-----------------|------------------|--------------------|----------|-----------------|-----------|------------|-------------|----------|
| | | | | | | INTERNAL | | EXTERNAL | | Th. | SES. | |
| | | | | | | THEORETICAL PAPERS | LECTURE | TUTORIAL | SESSIONAL | | | |
| 1. | * / 1 / T1 / CSS | COMMUNICATION SKILLS (STUDIES) | 2 | 1 | — | 10 | 2.5 | — | 50 | 50 | — | 9 |
| 2. | * / 1 / T2 / PHY1 | PHYSICS – I | 3 | — | — | 10 | 2.5 | 15 | 35 | 50 | — | 10 |
| 3. | * / 1 / T3 / CHM1 | CHEMISTRY – I | 2 | 1 | — | 10 | 2.5 | 15 | 35 | 50 | — | 12 |
| 4. | * / 1 / T4 / MTHS | MATHEMATICS | 5 | — | — | 20 | 5 | 30 | 70 | 100 | — | 13 |
| 5. | * / 1 / T5 / EMK | ENGINEERING MECHANICS | 3 | 1 | — | 20 | 5 | 30 | 70 | 100 | — | 15 |
| SESSIONAL PAPERS | | | LECTURE | TUTORIAL | SESSIONAL | INTERNAL | | EXTERNAL | | Th. | SES. | — |
| 6. | * / 1 & 2 / S1 / LPHY | PHYSICS LAB (GROUP – A) | — | — | 3 | 12.5 | | — | | — | — | 51 |
| 7. | * / 1 & 2 / S2 / LCHM | CHEMISTRY LAB (GROUP – A) | — | — | 3 | 12.5 | | — | | — | — | 52 |
| 8. | * / 1 & 2 / S3 / SED | ENGINEERING DRAWING (S) (GROUP – A) | — | — | 6 | 50 | | — | | — | — | 53 |
| 9. | * / 1 & 2 / S4 / WSPR | WORKSHOP PRACTICE | — | — | 6 | 50 | | — | | — | — | 57 |
| * Code for discipline | | | TOTAL | 15 | 3 | 18 | — | | — | | 350 | — |

CURRICULAR STRUCTURE FOR PART - I SECOND SEMESTER OF THE
FULL-TIME DIPLOMA COURSES IN SURVEY ENGINEERING

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| | | | | | | INTERNAL | | EXTERNAL | | Th. | SES. | |
| | | | | | | THEORETICAL PAPERS | LECTURE | TUTORIAL | SESSIONAL | | | |
| 1. | * / 2 / T1 / BEA | BUSINESS ECONOMICS & ACCOUNTANCY | 4 | — | — | 20 | 5 | 30 | 70 | 100 | — | 27 |
| 2. | * / 2 / T2 / PHY2 | PHYSICS – II | 2 | — | — | 10 | 2.5 | 15 | 35 | 50 | — | 29 |
| 3. | * / 2 / T3 / CHM2 | CHEMISTRY – II | 2 | — | — | 10 | 2.5 | 15 | 35 | 50 | — | 30 |
| 4. | * / 2 / T4 / CA | COMPUTER APPLICATIONS | 3 | — | — | 10 | 2.5 | 15 | 35 | 50 | — | 32 |
| 5. | * / 2 / T5 / EMTH | ENGINEERING MATHEMATICS | 3 | — | — | 20 | 5 | 30 | 70 | 100 | — | 33 |
| 6. | * / 2 / T6 / SOM | STRENGTH OF MATERIALS | 3 | — | — | 20 | 5 | 30 | 70 | 100 | — | 35 |
| 7. | * / 2 / T7 / ETK | ELECTRICAL TECHNOLOGY | 2 | — | — | 10 | 2.5 | 15 | 35 | 50 | — | 36 |
| 8. | * / 2 / T8 / ED | ENGINEERING DRAWING (4 HR. EXAM.) | — | — | — | 20 | 5 | 30 | 70 | 100 | — | 53 |
| SESSIONAL PAPERS | | | LECTURE | TUTORIAL | SESSIONAL | INTERNAL | | EXTERNAL | | Th. | SES. | — |
| 9. | * / 1 & 2 / S1 / LPHY | PHYSICS LAB (GROUP – B) | — | — | 2 | 12.5 | | 25 | | — | 50 | 51 |
| 10. | * / 1 & 2 / S2 / LCHM | CHEMISTRY LAB (GROUP – B) | — | — | 2 | 12.5 | | 25 | | — | 50 | 52 |
| 11. | * / 1 & 2 / S3 / SED | ENGINEERING DRAWING (S) (GROUP – B) | — | — | 6 | 50 | | 100 | | — | 200 | 53 |
| 12. | * / 1 & 2 / S4 / WSPR | WORKSHOP PRACTICE | — | — | 6 | 50 | | 100 | | — | 200 | 57 |
| 13. | * / 2 / S5 / LCA | COMPUTER APPLICATIONS LAB | — | — | 3 | 50 | | 50 | | — | 100 | 65 |
| 14. | * / 2 / S6 / LETK | ELECTRICAL TECHNOLOGY LAB | — | — | 2 | 25 | | 25 | | — | 50 | 67 |
| * Code for discipline | | | TOTAL | 19 | — | 21 | — | | — | | 600 | 650 |

q Each of Part I – 1st & 2nd semester is of 17 weeks duration of which 15 weeks are scheduled as contact weeks and 2 weeks are scheduled for holding two Centralised Internal Assessments.

q Part I – 1st & 2nd semester consists of 36 & 40 contact periods per week respectively, and, 8 & 4 periods per week respectively are allocated for Student Centred Activities like Library, Guided Studies etc.

q Marks distribution in Part – I : Theoretical – 950, Sessional – 650; Total – 1600.

CURRICULAR STRUCTURE FOR THE PART – II FIRST SEMESTER OF
DIPLOMA IN SURVEY ENGINEERING

| SL. No. | SUBJECT CODE | SUBJECT OF STUDY | CONTACT PERIODS / WEEK | | EXAMINATION SCHEME | | | | FULL MARKS | | PAGE No. |
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| | | | | | INTERNAL | | EXTERNAL | | Th. | SES. | |
| | | | | | THEORETICAL PAPERS | LECTURE | SESSIONAL | ASSESSMENT | | | |
| 1. | SURV / 3 / T1 / ENVE | ENVIRONMENTAL ENGINEERING | 3 | — | 20 | 5 | 30 | 70 | 100 | — | 5 |
| 2. | SURV / 3 / T2 / BE | BASIC ELECTRONICS | 3 | — | 20 | 5 | 30 | 70 | 100 | — | 9 |
| 3. | SUEV / 3 / T3 / CCS | CHAIN & COMPASS SURVEY | 3 + 1 | — | 20 | 5 | 30 | 70 | 100 | — | 11 |
| 4. | SURV / 3 / T4 / LPTS | LEVELLING & PLANE TABLE SURVEYING | 3 | — | 20 | 5 | 30 | 70 | 100 | — | 13 |
| 5. | SURV / 3 / T5 / CRT | CARTOGRAPHY | 3 + 1 | — | 20 | 5 | 30 | 70 | 100 | — | 14 |
| | | SESSIONAL PAPERS | Lecture | SESSIONAL | INTERNAL | | EXTERNAL | | Th. | Ses. | — |
| 6. | SURV / 3 / S1 / ACAD | COMPUTER AIDED DESIGN & DRAFTING | — | 6 | 50 | | 50 | | — | 100 | 15 |
| 7. | SURV / 3 / S2 / LCRT | CARTOGRAPHIC DRAWING LAB | — | 4 | 50 | | 50 | | — | 100 | 17 |
| 8. | SURV / 3 / S3 / FSP1 | FIELD SURVEY PRACTICES – I | — | 12 | 150 | | 150 | | — | 300 | 18 |
| | | TOTAL | 15 + 2 | 22 | — | | — | | 500 | 500 | — |

?á Part – II First Semester consists of 39 contact periods per week and 5 periods per week for Library & Guided Studies.

CURRICULAR STRUCTURE FOR THE PART – II SECOND SEMESTER OF
DIPLOMA IN SURVEY ENGINEERING

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|---------|----------------------|---------------------------------------|------------------------|------------------|--------------------|---------|-----------------|------------|------------|-------------|----------|
| | | | | | INTERNAL | | EXTERNAL | | Th. | SES. | |
| | | | | | THEORETICAL PAPERS | LECTURE | SESSIONAL | ASSESSMENT | | | |
| 1. | SURV / 4 / T1 / CSJ | COMMUNICATION SKILLS (JOB) | 2 | — | 10 | 2.5 | — | 50 | 50 | — | 19 |
| 2. | SURV / 4 / T2 / GA | GEODESY & ASTRONOMY | 3(L) + 1(T) | — | 20 | 5 | 30 | 70 | 100 | — | 20 |
| 3. | SURV / 4 / T3 / TCS | TACHOMETRY & CADASTRAL SURVEY | 3 | — | 20 | 5 | 30 | 70 | 100 | — | 20 |
| 4. | SURV / 4 / T4 / TT | THEODOLITE SURVEY | 3(L) + 1(T) | — | 20 | 5 | 30 | 70 | 100 | — | 21 |
| 5. | SURV / 4 / T5 / MCP | MATERIALS & CONSTRUCTION PRACTICES | 3(L) + 1(T) | — | 20 | 5 | 30 | 70 | 100 | — | 23 |
| 6. | SURV / 4 / T6 / CPS | CONSTRUCTION PRACTICE & SPECIFICATION | 3(L) + 1(T) | — | 20 | 5 | 30 | 70 | 100 | — | 24 |
| | | SESSIONAL PAPERS | Lecture | SESSIONAL | INTERNAL | | EXTERNAL | | Th. | Ses. | — |
| 7. | SURV / 4 / S1 / LCSJ | COMMUNICATION SKILLS (JOB) LAB | — | 2 | 25 | | 25 | | — | 50 | 26 |
| 8. | SURV / 4 / S2 / CED1 | CIVIL ENGINEERING DRAWING – I | — | 4 | 50 | | 50 | | — | 100 | 27 |
| 9. | SURV / 4 / S3 / FSP2 | FIELD SURVEY PRACTICES – II | — | 12 | 150 | | 150 | | — | 300 | 27 |
| | | TOTAL | 17(L) + 4(T) | 18 | — | | — | | 550 | 450 | — |

?á Part – II Second Semester consists of 40 contact periods per week and 4 periods per week for Library & Guided Studies.

?á Marks distribution: Theoretical – 1050, Sessional – 950; Total – 2000.

CURRICULAR STRUCTURE FOR THE PART - III FIRST SEMESTER OF
DIPLOMA IN SURVEY ENGINEERING

| SL. No. | SUBJECT CODE | Subject of Study | CONTACT PERIODS / WEEK | | EXAMINATION SCHEME | | | | FULL MARKS | | PAGE No. |
|---------|-----------------------|--|------------------------|------------------|--------------------|---------|-----------------|------------|------------|-------------|----------|
| | | | | | INTERNAL | | EXTERNAL | | TH. | SES. | |
| | | | | | THEORETICAL PAPERS | LECTURE | SESSIONAL | ASSESSMENT | | | |
| 1. | SURV / 5 / T1 / IM | INDUSTRIAL MANAGEMENT | 3 | — | 20 | 5 | 30 | 70 | 100 | — | |
| 2. | SURV / 5 / T2 / CT | CURVE AND TRIANGULATION | 3 | — | 20 | 5 | 30 | 70 | 100 | — | |
| 3. | SURV / 5 / T3 / TH | TOPOGRAPHY & HYDROGRAPHY | 3 | — | 20 | 5 | 30 | 70 | 100 | — | |
| 4. | SURV / 5 / T4 / MS | MODERN SURVEY | 3 | — | 20 | 5 | 30 | 70 | 100 | — | |
| 5. | SUEV / 5 / T5 / TMS | TUNNEL AND MINE SURVEYING | 3 | — | 20 | 5 | 30 | 70 | 100 | — | |
| 6. | SURV / 5 / T6 / ELEC | ELECTIVE-I [(a) MUNICIPAL ENGG. (b) TOWN & COUNTRY PLANNING] (ANY ONE) | 3(L) + 1(T) | — | 20 | 5 | 30 | 70 | 100 | — | |
| | | SESSIONAL PAPERS | Lecture | SESSIONAL | INTERNAL | | EXTERNAL | | TH. | SES. | |
| 7. | SURV / 5 / S1 / LQS | QUANTITY SURVEY & *MINING TRAINING | — | 4 | 75 | | 25 | | — | 100 | |
| 8. | SURV / 5 / S2 / LSEP | SURVEY ENGG. PROJECT | — | 6 | 50 | | - | | — | — | |
| 9. | SURV / 5 / S3 / LFSP3 | FIELD SURVEY PRACTICES – III | — | 10 | 100 | | 100 | | — | 200 | |
| | | TOTAL | 18(L) + 1(T) | 20 | — | | — | | 600 | 300 | |

?á Part – III First Semester consists of 39 contact periods per week and 5 periods per week for Library & Guided Studies.

CURRICULAR STRUCTURE FOR THE PART - III SECOND SEMESTER OF
DIPLOMA IN SURVEY ENGINEERING

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|---------|----------------------|--|------------------------|------------------|--------------------|---------|-----------------|------------|------------|-------------|----------|
| | | | | | INTERNAL | | EXTERNAL | | TH. | SES. | |
| | | | | | THEORETICAL PAPERS | LECTURE | SESSIONAL | ASSESSMENT | | | |
| 1. | SURV / 6 / T1 / LLLR | LAND LAWS & LAND RECORDS | 4(L) + 1(T) | — | 20 | 5 | 30 | 70 | 100 | — | 18 |
| 2. | SURV / 6 / T2 / PR | PHOTOGRAMMETRY AND REMOTE SENSING | 4(L) + 1(T) | — | 20 | 5 | 30 | 70 | 100 | — | 19 |
| 3. | SURV / 6 / T3 / EVC | ESTIMATION, VALUATION AND CONTRACT | 4(L) + 1(T) | — | 20 | 5 | 30 | 70 | 100 | — | 20 |
| 4. | SURV / 6 / T4 / ELEC | ELECTIVE-II [(a) DESIGN OF R.C.C. STRUCTURE, (b) MINING TECHNOLOGY] (ANY ONE) | 5 | — | 20 | 5 | 30 | 70 | 100 | — | 22 & 23 |
| | | SESSIONAL PAPERS | Lecture | SESSIONAL | INTERNAL | | EXTERNAL | | TH. | SES. | — |
| 5. | SURV / 6 / S1 / LCSJ | CIVIL ENGINEERING DRAWING-II | — | 6 | 50 | | 50 | | — | 100 | 24 |
| 6. | SURV / 6 / S2 / LSEP | SURVEY ENGG. PROJECT | — | 7 | 50 | | 100 | | — | 200 | — |
| 7. | SURV / 6 / S3 / LSTC | *SURVEY TRAINING CAMP | — | — | 200 | | — | | — | 200 | 25 |
| 8. | SURV / 6 / S4 / LSS | SURVEY SOFTWARES | — | 4 | 25 | | 25 | | — | 50 | 26 |
| 9. | SURV / 6 / S5 / LSMR | SEMINAR | — | 2 | 25 | | 25 | | — | 50 | |
| 10. | SURV / 6 / S6 / VIVA | FINAL VIVA-VOCE | — | — | 50 | | 50 | | — | 100 | |
| | | TOTAL | 17(L) + 3(T) | 19 | — | | — | | 400 | 700 | — |

?á Part – III Second Semester consists of 39 contact periods per week and 5 periods per week for Library & Guided Studies.

?á Marks distribution: Theoretical – 1000, Sessional – 1000; Total – 2000 (FIRST SEMESTER : Theoretical – 600, Sessional – 300 & SECOND SEMESTER : Theoretical – 400, Sessional – 700).

* Mining training should be of two weeks duration and the maximum 25 marks for the subject will be awarded to the students on the basis of report submitted.

* In lieu of 10 pds/week, 4 weeks (field works) and 2 weeks (office computation) extensive field survey practice be arranged, class routine should be framed accordingly and the above-mentioned marks for the subject will be awarded to the students on the basis of report submitted.