

**4-YEAR DIPLOMA-IN-ENGINEERING PROGRAM**  
**COMPUTER TECHNOLOGY (66)**  
**FIRST SEMESTER**

| Sl. No | Subject code | Name of the subject  | T P C     |           |           | MARKS        |             |              |             |             |
|--------|--------------|----------------------|-----------|-----------|-----------|--------------|-------------|--------------|-------------|-------------|
|        |              |                      |           |           |           | Theory       |             | Practical    |             | Total       |
|        |              |                      |           |           |           | Cont. assess | Final exam. | Cont. assess | Final exam. |             |
| 1      | 1011         | Engineering Drawing  | 0         | 6         | 2         | -            | -           | 50           | 50          | 100         |
| 2      | 5712         | English -1           | 2         | 0         | 2         | 20           | 80          | -            | -           | 100         |
| 3      | 5911         | Mathematicas-1       | 3         | 3         | 4         | 30           | 120         | 50           | -           | 200         |
| 4      | 5913         | Chemistry            | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 5      | 6611         | Computer Fundamental | 2         | 3         | 3         | 20           | 80          | 25           | 25          | 150         |
| 6      | 6711         | Basic Electricity    | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 7      | 6811         | Basic Electronics    | 2         | 3         | 3         | 20           | 80          | 25           | 25          | 150         |
|        |              | <b>Total</b>         | <b>15</b> | <b>21</b> | <b>22</b> | <b>150</b>   | <b>600</b>  | <b>200</b>   | <b>150</b>  | <b>1100</b> |

**COMPUTER TECHNOLOGY (66)**  
**SECOND SEMESTER**

| Sl. No | Subject code | Name of the subject                         | T P C     |           |           | MARKS        |             |              |             |             |
|--------|--------------|---|-----------|-----------|-----------|--------------|-------------|--------------|-------------|-------------|
|        |              |   |           |           |           | Theory       |             | Practical    |             | Total       |
|        |              |   |           |           |           | Cont. assess | Final exam. | Cont. assess | Final exam. |             |
| 1      | 5722         | English -2                                  | 2         | 2         | 3         | 20           | 80          | 50           | -           | 150         |
| 2      | 5812         | Physical Education & Life Skill Development | 0         | 2         | 1         | -            | -           | 25           | 25          | 50          |
| 3      | 5912         | Physics-1                                   | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 4      | 5921         | Mathematics -2                              | 3         | 3         | 4         | 30           | 120         | 50           | -           | 200         |
| 5.     | 6621         | Computer Application -1                     | 0         | 6         | 2         | -            | -           | 50           | 50          | 100         |
| 6      | 5711         | Bangla                                      | 2         | 2         | 3         | 20           | 80          | 50           | -           | 150         |
| 7.     | 6821         | Electronic Device & Circuits -1             | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 8      | 7011         | Basic Workshop practice                     | 0         | 6         | 2         | -            | -           | 50           | 50          | 100         |
|        |              | <b>Total</b>                                | <b>13</b> | <b>27</b> | <b>23</b> | <b>130</b>   | <b>520</b>  | <b>325</b>   | <b>175</b>  | <b>1150</b> |

**COMPUTER TECHNOLOGY (66)**  
**THIRD SEMESTER**

| Sl. No | Subject code | Name of the subject     | T P C     |           |           | MARKS        |             |              |             |             |
|--------|--------------|-------------------------|-----------|-----------|-----------|--------------|-------------|--------------|-------------|-------------|
|        |              |                         |           |           |           | Theory       |             | Practical    |             | Total       |
|        |              |                         |           |           |           | Cont. assess | Final exam. | Cont. assess | Final exam. |             |
| 1      | 6622         | Programming Language-I  | 2         | 3         | 3         | 20           | 80          | 25           | 25          | 150         |
| 2      | 6632         | Computer Application-II | 0         | 6         | 2         | -            | -           | 50           | 50          | 100         |
| 3      | 6841         | Digital Electronics-1   | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 4      | 6832         | Industrial Electronics  | 2         | 3         | 3         | 20           | 80          | 25           | 25          | 150         |
| 5      | 5931         | Mathematics-III         | 3         | 3         | 4         | 30           | 120         | 50           | -           | 200         |
| 6      | 5922         | Physics-2               | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 7      | 5811         | Social Science-1        | 2         | 0         | 2         | 20           | 80          | -            | -           | 100         |
|        |              | <b>Total</b>            | <b>15</b> | <b>21</b> | <b>22</b> |              |             |              |             | <b>1100</b> |

**COMPUTER TECHNOLOGY (66)**  
**FOURTH SEMESTER**

| Sl. No | Subject code | Name of the subject            | T P C     |           |           | MARKS        |             |              |             |             |
|--------|--------------|--------------------------------|-----------|-----------|-----------|--------------|-------------|--------------|-------------|-------------|
|        |              |                                |           |           |           | Theory       |             | Practical    |             | Total       |
|        |              |                                |           |           |           | Cont. assess | Final exam. | Cont. assess | Final exam. |             |
| 1.     | 6642         | Programming Language-2         | 2         | 6         | 4         | 20           | 80          | 50           | 50          | 200         |
| 2.     | 6645         | CAD & Graphic Design           | 0         | 6         | 2         | -            | -           | 50           | 50          | 100         |
| 3.     | 6844         | Digital Electronics-2          | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 4      | 6631         | Data Structure & Algorithm     | 2         | 3         | 3         | 20           | 80          | 25           | 25          | 150         |
| 5.     | 6745         | Electrical Circuits & Machines | 2         | 3         | 3         | 20           | 80          | 25           | 25          | 150         |
| 6.     | 5942         | Discrete Mathematics           | 2         | 0         | 2         | 20           | 80          | -            | -           | 100         |
| 7.     | 5821         | Social Science-II              | 2         | 0         | 2         | 20           | 80          | -            | -           | 100         |
|        |              | <b>Total</b>                   | <b>14</b> | <b>21</b> | <b>20</b> |              |             |              |             | <b>1000</b> |

**COMPUTER TECHNOLOGY (66)**  
**FIFTH SEMESTER**

| Sl. No       | Subject code | Name of the subject                | T P C     |           |           | MARKS        |             |              |             |             |
|--------------|--------------|------------------------------------|-----------|-----------|-----------|--------------|-------------|--------------|-------------|-------------|
|              |              |                                    |           |           |           | Theory       |             | Practical    |             | Total       |
|              |              |                                    |           |           |           | Cont. assess | Final exam. | Cont. assess | Final exam. |             |
| 1.           | 6651         | Microprocessor and Microcomputer-1 | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 2.           | 6652         | Computer Architecture              | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 3.           | 6653         | Programming Language-3             | 2         | 6         | 4         | 20           | 80          | 50           | 50          | 200         |
| 4.           | 6654         | Database Management System         | 2         | 6         | 4         | 20           | 80          | 50           | 50          | 200         |
| 5.           | 8551         | Web Design                         | 0         | 6         | 2         | 0            | 0           | 50           | 50          | 100         |
| 6.           | 5851         | Book Keeping & Accounting          | 2         | 0         | 2         | 20           | 80          | 0            | 0           | 100         |
| 7.           | 5840         | Environmental Management           | 2         | 0         | 2         | 20           | 80          | 0            | 0           | 100         |
| <b>Total</b> |              |                                    | <b>14</b> | <b>24</b> | <b>22</b> | <b>140</b>   | <b>560</b>  | <b>200</b>   | <b>200</b>  | <b>1100</b> |

**COMPUTER TECHNOLOGY (66)**  
**SIXTH SEMESTER**

| Sl. No       | Subject code | Name of the subject                       | T P C     |           |           | MARKS        |             |              |             |             |
|--------------|--------------|---|-----------|-----------|-----------|--------------|-------------|--------------|-------------|-------------|
|              |              |   |           |           |           | Theory       |             | Practical    |             | Total       |
|              |              |   |           |           |           | Cont. assess | Final exam. | Cont. assess | Final exam. |             |
| 1.           | 6661         | Microprocessor and Microcomputer-2        | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 2.           | 6662         | Computer Peripherals                      | 3         | 3         | 4         | 30           | 120         | 25           | 25          | 200         |
| 3.           | 6663         | Data Communication and Computer Network-1 | 2         | 6         | 4         | 20           | 80          | 50           | 50          | 200         |
| 4.           | 6664         | Computer System Software                  | 2         | 3         | 3         | 20           | 80          | 25           | 25          | 150         |
| 5.           | 6665         | Computer Servicing                        | 0         | 6         | 2         | 0            | 0           | 50           | 50          | 100         |
| 6.           | 8563         | Web Development                           | 0         | 6         | 2         | 0            | 0           | 50           | 50          | 100         |
| 7.           | 5841         | Business organization & Communication     | 2         | 0         | 2         | 20           | 80          | 0            | 0           | 100         |
| <b>Total</b> |              |   | <b>12</b> | <b>27</b> | <b>21</b> | <b>120</b>   | <b>480</b>  | <b>225</b>   | <b>225</b>  | <b>1050</b> |

