|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | |  | |
| **PAAVAI ENGINEERING COLLEGE – NAMAKKAL** | | | | |
| (An Autonomous Institution, Affiliated to Anna University, Chennai) | | | | |
| 6th Semester B.E./B.Tech. Degree Examinations – Cycle Test – II | | | | |
| (Regulations – 2016) | | | | |
| **B.E. – Electronics and Communication Engineering** | | | | |
| **EC16901 – Microcontroller Based System Design** | | | | |
| ***L1****– Remembering,* ***L2****– Understanding,* ***L3*** *– Apply,* ***L4*** *– Analyze,* ***L5*** *– Evaluate,* ***L6****– Create* | | | | |
| Time:45 minutes Maximum Marks :25 | | | | |
| **Part A (5 x 2 = 10 Marks)** | | | | |
|  | | | | |
| Answer **ALL** Questions | | | | |
| 1. | What is the Role of Watch Dog timer in PIC? | | L2 | CO1 |
|  | | | | |
| 2. | List the register’s name available in Register bank 0. | | L1 | CO1 |
|  | | | | |
| 3. | Mention the role of TRISB register in Port Operation. | | L3 | CO1 |
|  | | | | |
| 4. | Compare movlw and movwf instruction in PIC. | | L4 | CO1 |
|  | | | | |
| 5. | How many address lines need, when 2K, 4K and 8K program memory used in PIC. | | L5 | CO1 |
|  | | | | |
| **Part B (8+7= 15 Marks)** | | | | |
|  | | | | |
| Answer **ALL** Questions | | | | |
| 6. | Explain about PIC oscillator connections. |  | L1 *CO1* | (8) |
|  | | | | |
| 7. | Write ALP program for Port B act as output port. |  | L2 *CO1* | (7) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | |  | |
| **PAAVAI ENGINEERING COLLEGE – NAMAKKAL** | | | | |
| (An Autonomous Institution, Affiliated to Anna University, Chennai) | | | | |
| 6th Semester B.E./B.Tech. Degree Examinations – Cycle Test – II | | | | |
| (Regulations – 2016) | | | | |
| **B.E. – Electronics and Communication Engineering** | | | | |
| **EC16901 – Microcontroller Based System Design** | | | | |
| ***L1****– Remembering,* ***L2****– Understanding,* ***L3*** *– Apply,* ***L4*** *– Analyze,* ***L5*** *– Evaluate,* ***L6****– Create* | | | | |
| Time:45 minutes Maximum Marks :25 | | | | |
| **Part A (5 x 2 = 10 Marks)** | | | | |
|  | | | | |
| Answer **ALL** Questions | | | | |
| 1. | What is the Role of Watch Dog timer in PIC? | | L1 | CO1 |
|  | | | | |  |
| 2. | List the register’s name available in Register bank 0. | | L2 | CO1 |
|  | | | | |  |
| 3. | Mention the role of TRISB register in Port Operation. | | L4 | CO1 |
|  | | | | |  |
| 4. | Compare movlw and movwf instruction in PIC. | | L1 | CO1 |
|  | | | | |  |
| 5. | How many address lines need, when 2K, 4K and 8K program memory used in PIC. | | L5 | CO1 |
|  | | | | |
| **Part B (8+7 = 15 Marks)** | | | | |
|  | | | | |
| Answer **ALL** Questions | | | | |
| 6. | Explain about PIC oscillator connections. |  | L1 *CO1* | (8) |
|  | | | | |  |
| 7. | Write ALP program for Port B act as output port. |  | L2 *CO1* | (7) |