|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Set :** | | | **A** | |
| **PAAVAI ENGINEERING COLLEGE – NAMAKKAL** | | | | |
| (An Autonomous Institution, Affiliated to Anna University, Chennai) | | | | |
| 7th Semester B.E./B.Tech. Degree Examinations – Cycle Test – I | | | | |
| (Regulations – 2015) | | | | |
| **B.E. – Electronics and Communication Engineering** | | | | |
| **EC15703 – Optical Communication** | | | | |
| ***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. | List the Requirement and Algorithm use in Data Compressor | | L1 | CO5 |
|  | | | | |
| 2. | Which kind of modulation is used in software modem? | | L2 | CO5 |
|  | | | | |
| 3. | What is the use of Data buffer? | | L1 | CO5 |
|  | | | | |
| 4. | Define Table lookup. | | L6 | CO5 |
|  | | | | |
| 5. | Mention the role of Flush in Data Compressor | | L5 | CO5 |
|  | | | | |
| Part B (1 x 15 = 15 Marks) | | | | |
|  | | | | |
| Answer **ALL** Questions | | | | |
| 6. | Evaluate in detail the principle operation of software modem. |  | L2 *CO5* | (8) |
|  | | | | |
| 7. | Discuss about the design of Data compressor. |  | L2 *CO5* | (7) |

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Explain with neat diagram the elements of an optical fiber transmission link

Discuss the evolution of fiber optic communication system (6) (N / D 07)