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| Name:   |   |  |           |
| Enrolment No:   |   |  |           |
| <b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b><br><b>End Semester Examination, May 2022</b>  |   |  |           |
| <b>Course: Blockchain for Public Sector</b><br><b>Program: B.Tech (Hons)</b><br><b>Time : 03 hrs.</b><br><b>Course Code: CSBL3007</b> |   | <b>Semester: 6</b><br><br><b>Max. Marks: 100</b>                                   |           |
| <b>Instructions:</b>  |   |  |           |
| <b>SECTION A</b><br><b>(5Qx4M=20Marks)</b>  |   |  |           |
| S. No.  |   | <b>Marks</b>   | <b>CO</b> |
| Q 1   | State the principle on which digital certificates works?                | 4  | CO1       |
| Q 2   | State the difference between blockchain and bitcoin?                    | 4  | CO2       |
| Q 3   | Blockchain in health care. List its applications?                       | 4  | CO3       |
| Q 4   | Differentiate between proof of work and proof of authority?             | 4  | CO4       |
| Q 5   | Advantage and disadvantage of cryptocurrency exchanges?                 | 4  | CO5       |
| <b>SECTION B</b><br><b>(4Qx10M= 40 Marks)</b>   |   |  |           |
| Q 1   | “Preventing Cyber Crime through blockchain” Comment on the statement.   | 10   | CO2       |
| Q 2   | What are the ramifications of Blockchain Technology?                    | 10   | CO3       |
| Q 3   | Blockchain in banking Industries. State its role using a block diagram. | 10   | CO4       |
| Q 4   | List the Principles of Digital Identity Management?                     | 10   | CO5       |
| <b>SECTION-C</b><br><b>(2Qx20M=40 Marks)</b>  |   |  |           |
| Q 1   | How Indy works for Digital Identity Management?                         | 20   | CO4       |
| Q 2   | How blockchain works for Tax Payments?                                  | 20   | CO5       |