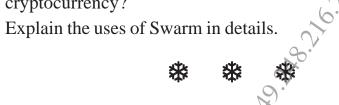
| Total | No. o | of Questions : 6] SEAT No. : | \neg |
|---|------------|--|-------------------------|
| PA-10342 | | | : 1 |
| 111 | 105 | | - |
| | | [6009]-448 | |
| T.E. (Electronics & Telecommunication) (Insem.) | | | |
| D | EC | ENTRALIZE & BLOCKCHAIN TECHNOLOGIES | |
| | | (2019 Pattern) (Semester - II) (304183HBCT) | |
| Time | :1 H | Iour] [Max. Marks : . | 30 |
| Instr | ructio | ons to the candidates; | |
| | <i>1</i>) | Attempt Q1 or Q2, Q3 or Q4 and Q5 or Q6. | |
| | <i>2</i>) | Neat diagrams must be drawn wherever necessary. | |
| | <i>3</i>) | Figures to the right indicate full marks. | |
| | | | |
| Q1) | a) | Define blockchain and explain basic mechanisms in detail. [| 6] |
| | b) | What is smart contracts and how it works? | 4] |
| | (| OR OR | |
| Q2) | a) \ | Explain ecosystem for decentralized system. [| 6] |
| | b) | Write a short note on consensus algorithm. | 4] |
| | | | |
| Q3) | a) | Explain how distribute block chain works in detail. | 6] |
| | b) | Explain terms: | 4] |
| | | i) Block Metadata | |
| | | ii) The Genesis Block | $\langle \cdot \rangle$ |
| | | O' OR | , |
| Q4) | a) | Explain the terms: | 6] |
| | | i) Whisper | |
| | | ii) Swarm | |
| | b) | What is blockchain mining? Enlist types of mining. | 4] |
| | | | |
| Q 5) | a) | Explain Decentralized applications in details? [| 6] |
| | b) | What is Fork? Explain why fork is important? [| 4] |
| | | OR | |
| Q6) | a) | What is the Difference decentralized system and distributed system | in |



[6]

[4]

cryptocurrency?

b)