(i) Printed Pages : 2   Roll No. ....

(ii) Questions   : 7   **Sub. Code :** | 1 | 0 | 6 | 5 | 7 |
                           Exam. Code : | 5 | 0 | 0 | 2 |

Bachelor of Arts (FYUP) 2nd Semester
(2055)
COMPUTER SCIENCE
Paper : Introduction To Blockchain Technology

Time Allowed : Three Hours]   [Maximum Marks : 45

Note :— (i) Question paper consists of **seven** questions comprising **three** questions each in Sections A and B and **one** compulsory question of short answer type in Section C.

(ii) The students are required to attempt any **two** questions each from Section A, & B and Section C is compulsory.

SECTION—A

1. Explain types of Blockchain technology in detail.   9

2. Explain real time applications of Blockchain technology in detail.   9

3. Describe cryptography with its techniques in detail.   9

SECTION—B

4. Describe Proof of Work and Proof of Stake consensus methods in detail. 9

5. Explain security mechanisms for Blockchain technology in detail. 9

6. Explain Blockchain technology applications for government. 9

SECTION—C

(Compulsory)

7. Elaborate :

   (a) Encryption

   (b) Private Key

   (c) Cryptocurrency. 3+3+3