

5 pts

1. Bond
2. Leases
3. Cash
4. Cheque

HTML Editor 

**B** *I* U A **A** *I*       $x^2$   $x_2$       $\sqrt{x}$       12pt  Paragraph 

5 pts

1. PV = \$960 and YTM = 56.3%
2. PV = \$1030 and YTM = 31.3%
3. PV = \$600 and YTM = 56.3%
4. PV = \$1030 and YTM = 40.5%
5. None of the above are correct

HTML Editor 

**B** *I* U A *I*       $x^2$   $x_2$       $\sqrt{x}$        12pt  Paragraph 

5 pts



















1. A company with a stock price of \$50 has a P/E ratio of 20 means that its earnings per share are \$2.5.
2. A company that has a lower P/E ratio means that it has a higher earning power.
3. A company with a higher P/E ratio means that people are more interested in investing in the stock. However, this may not explicitly indicates the stock quality stock for long terms of investment.
4. A higher P/E ratio for a company means its market price value is higher than those with a lower P/E ratio.

[illegible]

5 pts

1. Both bonds are a loan from the investors to a company, and stocks are not.
2. Bonds are a kind of debt instrument but not stocks.
3. Both bonds and stocks can provide a steady source of regular income.
4. The liquidity of stocks and bonds is high than cheques
























































































































































HTML Editor

**B** *I* U A  *I<sub>x</sub>*       $x^1$   $x_2$        $\sqrt{x}$        12pt Paragraph 

5 pts

1. It is more secure to use because many counterfeiting apps have been developing for protecting the customers and show owners
2. Customer can track their spending more easily
3. The network penetration is increasing
4. Shopping using cash or credit cards are inconvenient to use


HTML Editor 

**B** *I* U A   *I<sub>x</sub>*       $x^2$   $x_2$                                                                                                                                                 

5 pts

1. It helps to decide the prices of various financial securities
2. It helps to provide opportunities for people with smart ideas to implement their idea.
3. It helps to improve the liquidity of debt instruments
4. It helps to improve the transparency of financial activities by increasing the asymmetric information in the markets

































HTML Editor 

The image shows a rich text editor toolbar with various icons for text formatting (bold, italic, underline, text color, background color, strikethrough), alignment (left, center, right, justified), list creation (bulleted, numbered), indentation, link/unlink, image insertion, link preview, undo/redo, and font size. The font size is currently set to 12pt. The toolbar is located at the top of the document area.

5 pts

1. Only one transaction
2. Two transactions
3. There is no maximum number of transactions, except that it requires an even number of transactions, for example, 2, 4, 6, 8, etc.
4. None of the above

HTML Editor 

**B** *I* U A  *I<sub>x</sub>*       $x^2$   $x_2$                             

5 pts


1. Block index
2. Block hash
3. Nonce
4. No of the above

HTML Editor [illegible]

5 pts

1. 32
2. 48
3. 51
4. 54
















HTML Editor 

A rich text editor toolbar with various icons for text formatting (bold, italic, underline, text color, background color, subscript, strikethrough), alignment (left, center, right, justified), list creation (bulleted, numbered), indentation, link/unlink, unlink, insert table, insert image, insert link, insert video, insert code, and font size. The font size is currently set to 12pt. The paragraph style is set to Paragraph.

5 pts

1. The "nonce" is an algorithm to regulate the generation rate of a new block
2. A miner is a computer that collects transactions and organizes them into blocks
3. Orphan blocks are invalid blocks that have been rejected by the chain
4. A blockchain is a centralized ledger on a peer to peer network

HTML Editor 

**B** *I* U A  *I*<sub>x</sub>      $x^2$   $x_2$       $\sqrt{x}$       12pt Paragraph 

## PART B



## Question 2

15 pts

Answer all the following questions.

- 1) What is tokenization? Use a bank account as an example. Explain how tokenization can help to increase the security in mobile payment. (4 marks)
- 2) Five potential vulnerabilities are affecting mobile payment systems. They are man-in-the-middle attacks, replay attacks, repudiation, impersonation, and unauthorized access. Explain their meaning briefly. Suggest one potential vulnerability that tokenization may not be able to increase the security of mobile payment. (8 marks)
- 3) Discuss the technologies used with WeChat pay and how these technologies help improve the security of mobile payment. (3 marks)

20 pts

- 1) Discuss, in point forms, the key features of a Blockchain. (5 marks)
- 2) Based on the information given in the following news, discuss why DECP is not a crypto-currency. (5 marks)

In April, it was conducting tests in four cities across China, and intends to pilot the system at future Winter Olympics venues.

4) Regarding figure Q11 shown, discuss step by step what will happen if a new block 1234 is appended to block 0101. (5 marks)

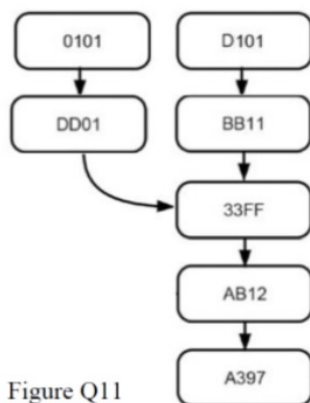


Figure Q11