

Question 2

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In the BGMR Probabilistic Contract Signing

- When A receives sig_B "I am committed with probability p_B " from B
- Sets $p_B = \min(1, p_A \cdot \alpha)$
- Sends sig_B "I am committed with probability p_B " to A

Select one:

☐ True

☒ False

Question **3**

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We use Probabilistic Fair Exchange when the two parties don't trust each other

Select one:

☒ True

☐ False

Question **4**

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Digital cash for digital goods (e-commerce) is an application of Probabilistic Fair Exchange

Select one:

☒ True

☐ False

Question **5**

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We use Probabilistic Fair Exchange when _____

- ☐ a. Fairness is hard to achieve
- ☐ b. Important if parties don't trust each other
- ☒ c. All the above
- ☐ d. Two parties exchange items of value

Question **6**

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In BGMR Probabilistic Contract Signing every transaction need beacon input.

Select one:

☐ True

☒ False

Question **7**

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In the BGMR Conflict Resolution. The Judge waits until date D and If ($p > p_{B1}$), contract is binding, else contract is canceled

Select one:

☐ True

☒ False

Question 8

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Properties of Fair Exchange Protocols are _____

- ☒ a. All the Above
- ☐ b. Optimism
- ☐ c. Fairness
- ☐ d. Timeliness

Question 9

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A Rabin's "beacon" is a trusted party that publicly broadcasts a probability value chosen between 1 and N every day

Select one:

☒ True

☐ False

Question **10**

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Which of the following not Properties of Rabin's Protocol

1- Fair

2- Optimistic

3- Timely

4- Accountability

☐ a. 1 and 4

☐ b. 3 and 4

☐ c. 1 and 2

☒ d. 2 and 3

Question 1

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A beacon broadcasts number b on day D . If $b > i$ that means _____

- ☐ a. Only A is committed
- ☐ b. Both A and B are committed
- ☐ c. Only B is committed
- ☒ d. Neither A, nor B is committed

[Clear my choice](#)