



<b>CANDIDATE DETAILS</b>			
Access Number	Roll Number	For Official Use Only	Serial Number
Subject <b>INFORMATION TECHNOLOGY IN FINANCIAL SERVICES</b>			
Candidate's Name			
Father's Name			
CNIC Number			
Cell Number		E-mail	
I verify that my particulars given above are correct and I declare that I have read the INSTRUCTIONS printed in the examination booklet, and/ or given in the ISQ Examination Guidelines, violation of which would mean cancellation of my paper and debarment from appearing in future examinations.			
Candidate's Signature		Invigilator's Signature	



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# The Institute of Bankers Pakistan

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## ISQ Examinations Winter - 2018 Stage - I Information Technology in Financial Services

SEAL  
BOOK  
HERE

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Section 2  
Subjective Questions

Number of Questions: 9  
Marks: 55

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Allotted time : 120 minutes

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## INSTRUCTIONS FOR THE CANDIDATE

1. The candidate must abide by the ISQ Examination Guidelines sent along with the admit card.
2. The candidate must sign the booklet after verifying the particulars and should **NOT** write his/ her name or roll number etc. on any other page of the examination booklet.
3. The candidate is advised **NOT** to approach the invigilators for seeking any explanation related to the questions in the examination paper.
4. Laptops, mobile phones or any other gadgets are **NOT** permitted in the examination hall. **ONLY** non-programmable scientific calculator is allowed. If any candidate is found in possession of any restricted gadgets or items, his/ her examination paper will be cancelled immediately.
5. The candidate must ensure that the examination booklet has all the pages duly numbered. If any page is missing, damaged or not numbered, then return the booklet to the superintendent/ invigilator and obtain another booklet.
6. Write your answer **ONLY** in the given space for each question. Anything written outside the given space will not be considered for marking.
7. **ONLY** blue or black ball points are to be used.
8. The candidate must attempt **ALL** questions in the paper.

### For Official Use Only

Marks Obtained	Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Q.7	Q.8	Q.9	Total Marks	Total in words
Marker - I											
Q.C											
Scrutiny											
Re-Scrutiny											
Marker- II											

Signatures:

1. Marker - I

2. QC

3. Scrutinizer

4. Re-Scrutinizer

5. Marker – II

**Q1.**

A. What is data communication?

(2 Marks)

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B. Differentiate between off-the-shelf and customized software.

(3 Marks)

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**Q2.** Discuss the preventive measures for VoIP security risks.

**(3 Marks)**

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**Q3.** Briefly explain VPN and discuss its benefits.

**(7 Marks)**

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**Q5.**

A. Briefly explain the terms:

**(4 Marks)**

- Proprietary Software
- Open Source software

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B. List the key issues with open source software.

**(3 Marks)**

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**Q6.** Explain the concept of stored value card in comparison with debit card, also discuss the risks associated with stored value cards. (5 Marks)

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**Q7.** Explain the following: (4 Marks)

- Data Backup Policy
- Data Retention Policy

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**Q8.** Briefly explain the concept of least privileges principle with three main categories of users to reduce risk on computer and network. (6 Marks)

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**Q9.**

A. Briefly explain the two main classes of biometric characteristics. (3 Marks)

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B. Explain why the use of biometric based ATM is getting popular? (5 Marks)

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