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Answer Sheet No: _____

Signature of Candidate: _____

Signature of Invigilator: _____

Federal Board SSC-I Examination
Computer Science Model Question Paper
(Curriculum 2009 – NBF)

SECTION – A

Time allowed: 20 minutes

Marks: 12

Note: Section-A is compulsory and comprises two pages. All parts of this section are to be answered on the question paper itself. It should be completed in the first 20 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q.1 Encircle the correct option i.e. A / B / C / D. All parts carry equal marks.

- i. Fifth generation computer are based on:
A. Vacuum Tubes B. GUI
C. Artificial Intelligence D. IC Chips
- ii. Device driver is a type of _____ software.
A. Application B. System
C. Business D. Productivity
- iii. Which of the following is an open source operating system?
A. Unix B. Linux
C. DOS D. Novell's Netware
- iv. In which operating system multiple users can run different programs on a large scale computer?
A. Real time B. Time sharing
C. Batch processing D. Single user
- v. Which command in Excel restricts users from entering wrong data in cells of a worksheet?
A. Data validation B. Data filtering
C. Conditional formatting D. Data manipulation
- vi. _____ is a textual interface.
A. GUI B. CLI
C. Menu driven D. Windows
- vii. Which transmission media uses light waves for transmitting information?
A. Coaxial cable B. Twisted pair cable
C. Telephone line D. Fibre optic cable
- viii. _____ is the set of rules between the two communicating devices.
A. transmission structure B. Protocol
C. Transmission media D. Transmission signal

DO NOT WRITE ANYTHING HERE

- ix. In which transmission mode, information is transmitted in both directions but not simultaneously?
- | | |
|---------------------|---------------------|
| A. Simplex mode | B. Half duplex mode |
| C. Full duplex mode | D. High speed mode |
- x. In which topology it is difficult to add new computer?
- | | |
|---------|---------|
| A. Star | B. Bus |
| C. Mesh | D. Ring |
- xi. Which authentication method is most reliable?
- | | |
|---------------------------|-----------------------------------|
| A. User name and password | B. Personal Identification number |
| C. Access Card | D. Biometrics |
- xii. A person who illegally breaks into other computer systems is called:
- | | |
|----------------------|----------------------|
| A. Computer engineer | B. System programmer |
| C. Hacker | D. Cracker |

For Examiner's use only

Q. No.1: Total Marks:

12

Marks Obtained:



Federal Board SSC-I Examination
Computer Science Model Question Paper
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Time allowed: 2.40 hours

Total Marks: 43

Note: Sections 'B' and 'C' comprise page 1 and questions therein are to be answered on the separately provided Answer Book. Use supplementary answer sheet i.e., sheet B if required. Write your answers neatly and legibly.

SECTION – B (Marks 27)

Q.2 Attempt any **NINE** parts from the following. All parts carry equal marks. (9 × 3 = 27)

- i. State three differences between analog and digital computers.
- ii. What is meant by Cloud Computing?
- iii. What are the functions performed by the operating system?
- iv. Differentiate between single-user and multi-user operating systems.
- v. Why hyperlinks are created in Word document?
- vi. Write short note on InPage Urdu Editor.
- vii. Give any three reasons why guided communication medium is more reliable than unguided media.
- viii. Define data rate, baud rate and band width.
- ix. What are the advantages of Star topology over Bus topology?
- x. What is CDMA technology?
- xi. Give any three examples of cybercrime.
- xii. What is meant by information privacy?
- xiii. Define the relative and absolute cell addressing in Excel with one example.

SECTION – C (Marks 16)

Note: Attempt any **TWO** questions.

(8 × 2 = 16)

- Q.3** Write a note on mainframe, minicomputer and microcomputer. (8)
- Q.4** Discuss any four types of unguided transmission media. (8)
- Q.5** Define malware and describe its types. Also explain how to protect computer system from virus attacks. (8)

FEDERAL BOARD OF INTERMEDIATE AND SECONDARY EDUCATION

H-8/4, ISLAMABAD

NO.0-9/FBISE/RES/CC/361

25 October 2017

Subject: REVISED MODEL QUESTION PAPERS

In continuation of this office letter No.0-9/FBISE/RES/CC/SSC/673 dated 08-03-2017, Model Question Paper in the subject of Computer Science for SSC Part-I Annual Examination 2018 is enclosed herewith.

2. This model question paper is also available on the FBISE website www.fbise.edu.pk.



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All heads of institutions affiliated with FBISE at SSC level

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6. General Manager (Education), Fauji Foundation Head Office, Welfare Division, Chaklala, Rawalpindi
7. Director Education, OPF Head Office, F-5, Islamabad
8. DCE (SR), FBISE, Islamabad
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12. Chat Room, FBISE, Islamabad