

Version No.			

ROLL NUMBER						



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1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
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1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
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Answer Sheet No. _____

Sign. of Candidate _____

Sign. of Invigilator _____

COMPUTER SCIENCE HSSC-I (2nd Set)

SECTION – A (Marks 15)

Time allowed: 20 Minutes

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. **Do not use lead pencil.**

Q.1 Fill the relevant bubble for each part. Each part carries one mark.

- (1) Which pointing device is popular with ATM machines?

A. Touch Pad	<input type="radio"/>	B. Trackball	<input type="radio"/>
C. Touch Screen	<input type="radio"/>	D. Light Pen	<input type="radio"/>

- (2) Which device reads the information of owner from Credit Card?

A. Bar Code Reader	<input type="radio"/>	B. Magnetic Card Reader	<input type="radio"/>
C. Optical Scanner	<input type="radio"/>	D. Handheld Scanner	<input type="radio"/>

- (3) What is the full form of WAP?

A. Wireless Access Place	<input type="radio"/>	B. Wireless Access Protocol	<input type="radio"/>
C. Wireless Access Point	<input type="radio"/>	D. Wireless Access Portion	<input type="radio"/>

- (4) Which one of the following Orbits is at the distance of 22,000 miles from the surface of the Earth?

A. GEO	<input type="radio"/>	B. MEO	<input type="radio"/>
C. LEO	<input type="radio"/>	D. HEO	<input type="radio"/>

- (5) Which one of the following is an example of One-to-Many relationship?

A. Class → Teacher	<input type="radio"/>
B. College Campus → Teacher	<input type="radio"/>
C. College → Principal	<input type="radio"/>
D. Country → Capital	<input type="radio"/>

- (6) Which device use spindle to hold the disk(s)?

A. Compact Disk	<input type="radio"/>	B. Floppy Disk	<input type="radio"/>
C. Hard Disk	<input type="radio"/>	D. DRAM	<input type="radio"/>

- (7) Which device have instructions to load operating system from hard disk to RAM?

A. RAM	<input type="radio"/>	B. Cache	<input type="radio"/>
C. ROM	<input type="radio"/>	D. Register	<input type="radio"/>

- (8) Which theoretical foundation of a data base determines that how data is stored, organized, and manipulated?
- A. Database Model B. Database Structure
C. Database Design D. Database Architecture
- (9) Which component generates a signal to execute an instruction?
- A. ALU B. Decoder
C. Cache D. Timing & Control Logic
- (10) Which one of the following is uni-directional bus?
- A. Data B. Network
C. Address D. System
- (11) Which one of the following is Data Transfer Instruction?
- A. STORE B. LOOP
C. SHIFT D. JMP
- (12) For which purpose Class C is used?
- A. Small size network B. Multicasting
C. Large size network D. Broadcasting
- (13) Which one of the following Network devices is used to forward data packets across similar or different networks?
- A. Server B. Router
C. Modem D. Gateway
- (14) Which datatype is most suitable for storing address of Employee?
- A. Short Text B. Long Text
C. Yes/No D. Date/Time
- (15) Which one of the following port is not replaced by USB port?
- A. Serial B. Firewire
C. Parallel D. PS/2
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Federal Board HSSC-I Examination
Computer Science Model Question Paper
(Curriculum 2009)

Time allowed: 2.40 hours

Total Marks: 60

Note: Answer any twelve parts from Section 'B' and attempt any three questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks 36)

Q.2 Attempt any **TWELVE** parts from the following. All parts carry equal marks. (12×3=36)

- i. Why **LCD** is better than **CRT** monitors? Justify your answer with three reasons.
- ii. Write down one example of each Productivity Software, Open-Source Software and Device Driver.
- iii. Which pointing device is available in laptop? How it differs from a mouse? Give two reasons.
- iv. What are the two basic components of CPU? Illustrate with diagram.
- v. What is Memory Word? How size of Memory word affects the speed of computer?
- vi. Write down the purpose of **EPROM** and **EEPROM**.
- vii. Which port is **plug and play**? Why is it called plug and play? Give two reasons.
- viii. Write down the functions of **Memory Address Register** and **Program Counter**? How are they linked?
- ix. Complete the following grid according to the criteria given.

Criteria	OSI	TCP/IP
Developed by		
No of Layers		
Model Type		

- x. Write down any three differences between **CISC** and **RISC**.
- xi. Write down three applications of **Virtual Private Network**?
- xii. What are three components required for **Mobile Communication Network**.
- xiii. What is **Wireless Network**? Give one advantage and one disadvantage.
- xiv. In an organization, an employee assigned a single login and he work under only one department. Draw ER diagram of given scenario.
- xv. Determine the type of database language by the commands given of each type:



