AGA KHAN UNIVERSITY EXAMINATION BOARD

SECONDARY SCHOOL CERTIFICATE
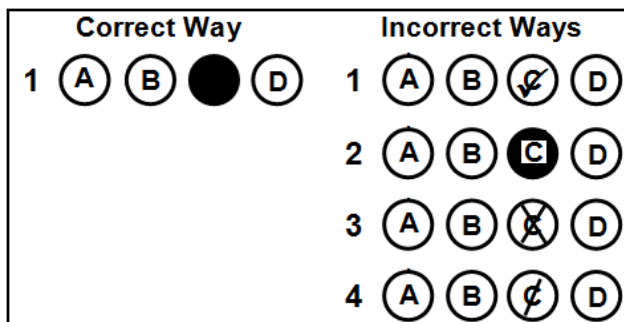
CLASS IX EXAMINATION

APRIL/ MAY 2019

Computer Science Paper I

Time: 40 minutes   Marks: 25

INSTRUCTIONS

1. Read each question carefully.

2. Answer the questions on the separate answer sheet provided. DO NOT write your answers on the question paper.

3. There are 100 answer numbers on the answer sheet. Use answer numbers 1 to 25 only.

4. In each question, there are four choices A, B, C, D. Choose ONE. On the answer grid, black out the circle for your choice with a pencil as shown below.
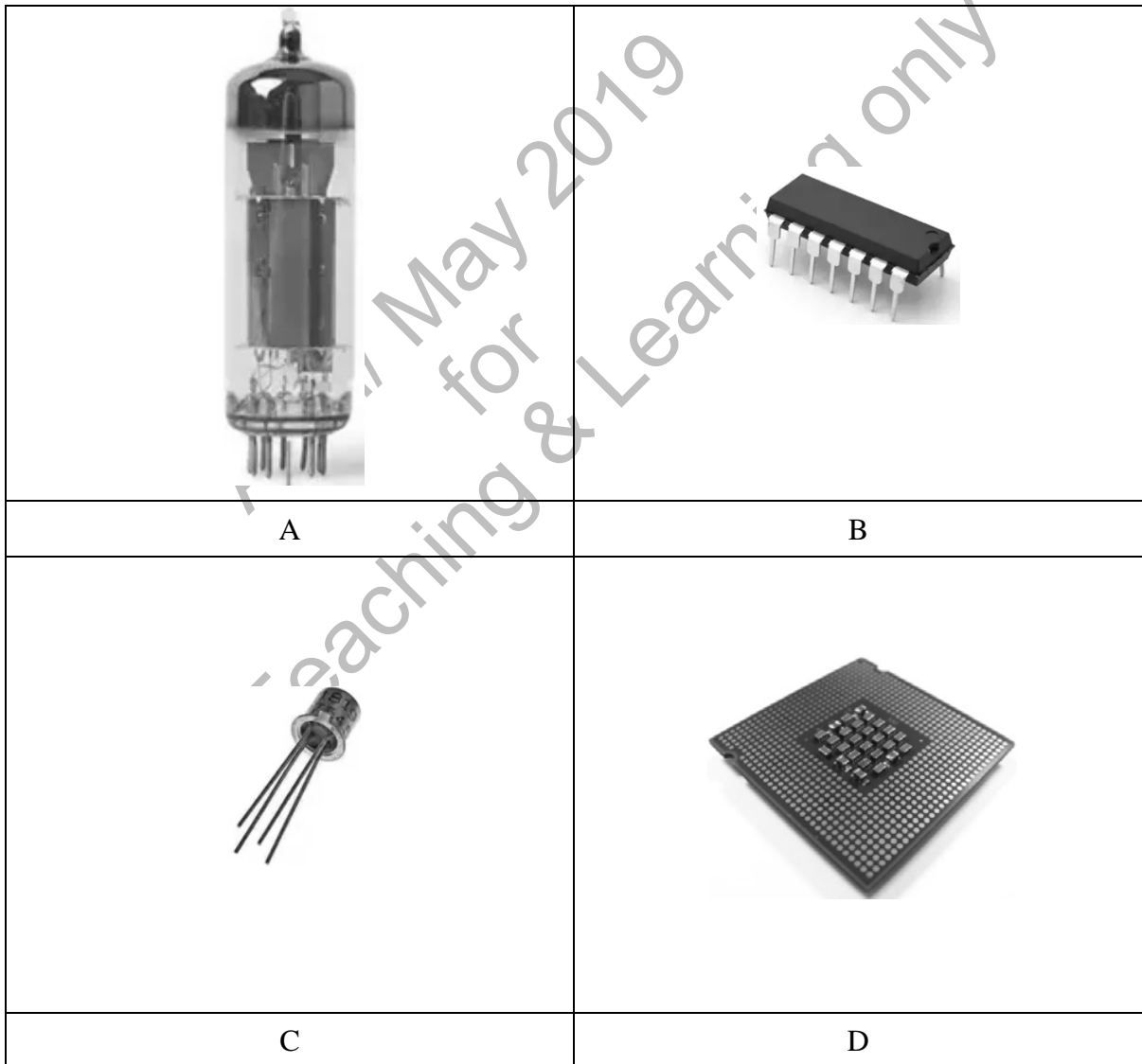

Candidate's Signature

5. If you want to change your answer, ERASE the first answer completely with a rubber, before blacking out a new circle.

6. DO NOT write anything in the answer grid. The computer only records what is in the circles.

1.   Fourth generation of computers started with the invention of

A.   vacuum tubes.
B.   microprocessor.
C.   integrated circuits.
D.   artificial intelligence.

2.   The concept of stored-program was given by

A.   Blaise Pascal.
B.   Herman Hollerith.
C.   John Von Neumann.
D.   Gottfried Wilhelm Leibniz.

3.   The picture that represents a microprocessor is
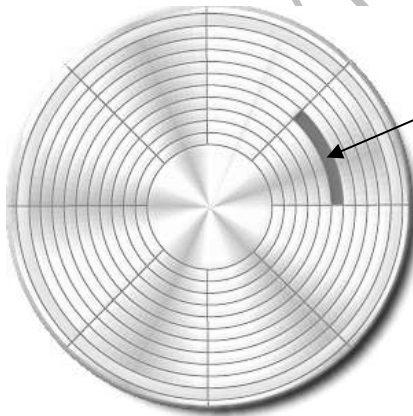

A	B

C	D

4. The generation of computers that used semiconductor memories for the first time is

    A. second generation.
    B. third generation.
    C. fourth generation.
    D. fifth generation.

5. Which of the following provides connectivity between central processing unit (CPU) and memory ONLY?

    A. Serial Port
    B. Control Bus
    C. Parallel Port
    D. Address Bus

6. As compared to primary memories, secondary memories are

    A. cheap.
    B. fast.
    C. present on the motherboard.
    D. less in storage capacity.

7. The data storage part of a hard disk consists of metallic circular platters.

    Consider the given image of a hard disk platter.

    The shaded portion, **X**, of the hard disk platter is known as a

    A. track.
    B. sector.
    C. read/ write head.
    D. hard disk controller.

8.
- High cost per print
- Ideal for printing photos
- Less number of prints per minute

The printer that has all the given features is a/ an

A.   laser printer.
B.   daisy-wheel printer.
C.   dot-matrix printer.
D.   inkjet printer.

9.   Ali has some PowerPoint slides that he wants to store electronically.

He should store the slides in

A.   USB.
B.   hard disk.
C.   CD-ROM.
D.   floppy disk drive.

10.   The number of bytes in 1.75 kilobytes is

A.   1792
B.   1750
C.   17920
D.   17500

11.   The unique number of digits in the given decimal number is

1234567891011

A.   8
B.   9
C.   10
D.   11

12.   The decimal number that is equal to $(224)_8$ is

A.   2072
B.   1184
C.   274
D.   148

13.   The number of bits required to represent the given hexadecimal number is

$(ABCDEF0123456789)_{16}$

A.   16
B.   32
C.   64
D.   128

14. The product of $(101)_2$ and $(10)_2$ is

    A. $(1010)_2$
    B. $(0101)_2$
    C. $(0111)_2$
    D. $(1110)_2$

15. When a computer is turned on, Windows is loaded from hard disk into

    A. ROM.
    B. RAM.
    C. compact disc.
    D. digital versatile disc.

16. All of the following are TRUE about a taskbar EXCEPT that a taskbar can be

    A. made to disappear.
    B. locked and unlocked.
    C. placed at any of the four sides of a monitor's screen.
    D. made to reappear by using the keyboard shortcut Ctrl + Alt.

17. Farhan wants to add page number in an MS Word file as shown in the image.

    1 | P a g e

    The CORRECT sequence of steps he should follow to insert this page number is

• Click on **Insert** menu. • Click on **Page Number** icon. • Click on **Bottom of Page** and select **Accent Bar 1**.	• Click on **Insert** menu. • Click on **Page Number** icon. • Click on **Bottom of Page** and select **Plain Number 1**.
A	B
• Click on **Page Layout** menu. • Click on **Page Number** icon. • Click on **Bottom of Page** and select **Accent Bar 1**.	• Click on **Page Layout** menu. • Click on **Page Number** icon. • Click on **Bottom of Page** and select **Plain Number 1**.
C	D

PLEASE TURN OVER THE PAGE

18.   Daniyal is working on an MS Word file but the mouse connected to his computer system is not working.

The keyboard shortcut that he should use to change text 'computer science' to 'Computer Science' is

A.   Alt + F3
B.   Ctrl + F3
C.   Shift + F3
D.   Enter + F3

19.   Sana has the following files in her flash drive:

I.   Morning.mp3
II.   Night.wav
III.   Fresh.jpg
IV.   New.png
V.   Old.gif

The image files that she can add from her flash drive to PowerPoint presentation are

A.   III, IV and V.
B.   I, II and III.
C.   I, IV and V.
D.   II, III and IV.

20.   Aryan is working on MS Word file and he wants to know the total number of pages in the file. The bar that will help him for this purpose is

A.   status bar.
B.   menu bar.
C.   tool bar.
D.   title bar.

21.   All of the following are features of DOS EXCEPT that it

A.   provides user interface.
B.   executes user programs.
C.   provides plug and play facility.
D.   performs memory management.

22.   As compared to DOS internal commands, DOS external commands are

A.   stored in COMMAND.COM file.
B.   loaded into memory during booting process.
C.   executed by the help of COM, EXE and BAT files.
D.   commonly used commands listed in directory listing.

23.   The CORRECT set of characteristics of command line interface (CLI) is

• It requires less memory. • It performs single task for single user. • User needs a keyboard to use this interface.	• It is easy to learn. • It shows menus and icons. • It performs single task for single user.
A	B
• It shows menus and icons. • It performs multiple tasks for single user. • It can switch back and forth between different applications.	• It is user friendly. • It performs multiple tasks for single user. • User mostly needs a mouse to use this interface.
C	D

24.   Kazim is using disk operating system (DOS). He wants to delete all the files in the current directory.

The DOS command he should use for this purpose is

A.   DEL
B.   DEL*.*
C.   DELTREE
D.   DELFILES*.*

25.   An example of application software is

A.   MS Word.
B.   anti-virus.
C.   screen saver.
D.   MS Windows.

END OF PAPER

Please use this page for rough work