

Secondary School Certificate (S.S.C.) Annual Examination

Max. Marks: 60

Class IX (9th)

Time: 3 Hour**Marks: 12**

1. Choose the correct Answer for each from the given question:

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- | | | | | |
|-----|--|----------------|---|---------------------|
| 1. | The device that converts hard copy into soft copy, is called:
* Printer | * Plotter | * Scanner | * All of these |
| 2. | GUI was developed in:
* Second Generation
* Mechanical Era | | * Fourth Generation
* Electra Mechanical Era | |
| 3. | The software which performs all basic tasks, is:
* Operating System | * Start Menu | * Antivirus | * Office Automation |
| 4. | Extension of notepad is:
* .txt | * .xls | * .ppt | * .bmp |
| 5. | The software that is used for accounting purpose, is:
* MS Word | * MS Excel | * MS Power point | * MS Access |
| 6. | The topology connecting all computers to a central device Hub is:
* BUS | * Star | * Ring | * Tree |
| 7. | The number orbits used In a IPV4 address are:
* 16 | * 32 | * 64 | * 128 |
| 8. | The authentication mechanism that only allows the real person to access data or device is called:
* User name and Password
* Biometric | | * PIN
* Scan code | |
| 9. | The smallest component in a database is:
* Record | * File | * Data | * Field |
| 10. | The data type which occupies the most space in memory is called:
* Character
* Floating point | | * String
* Double floating point | |
| 11. | Converting digital signals to analog signals, is called:
* Modulation | * Modification | * Bandwidth | * Multiplexing |
| 12. | Softwares are mostly protected under:
* Patents | * Copyrights | * Trademark | * Logos |

NOTE: Attempt any EIGHT Questions from this section. Each questions carry equal marks.

2. Describe the first generation of Computer.
3. Classify computer according to the technology.
4. What are buses? Describe their types.
5. Describe the functions of Operating System.
6. Describe Artificial Intelligence (AI).
7. Define Microsoft Word.
8. What is sorting?
9. Differentiate between Compiler and Interpreter.
10. Describe properties of a good communication system.
11. What is computer security?
12. Define RAM and ROM.
13. What are Antivirus? Write few popular name, of it.

Section C (Detailed –Answer Question) (24)

NOTE: Attempt any FOUR questions from this section. Each question carries (Six) 6 marks.

14. Define Control Unit and Arithmetic logic Unit (ALU)
15. Define software and its types
16. Describe topology and its types.
17. Define the following Networks:
 - (i) LAN
 - (ii) MAN
 - (iii) WAN

(ii) MAN

(iii) WAN

18. Write the functions of the following network devices.

(i) Router

(ii) Switch

19. Differentiate between Data Rate and Baud Rate.

Notes on this transcription

- Typeset transcription of the original Board of Secondary Education Karachi question paper. Wording, spelling, numbering and question order are reproduced exactly as printed.
- The source sheet had the correct options ticked/underlined by the publisher. Options are reproduced **unmarked** here — no answer key is included.
- Board wording kept verbatim: Q.1(7) prints “The number orbits used In a IPV4 address are” (for “bits”), and Q.1(2) option (d) prints “Electra Mechanical Era”.

This is a clean typeset reproduction of the original question paper. No answer key is included.