

std: 11

Computer Science  
Half yearly Exam

18/12/17

Answer Key

I. choose the correct answer

1. b. Machine Language
2. b. William Oughtred
3. a.  $2^{40}$
4. a. Registers
5. a. Mouse
6. b. half adder
7. a. Multiprogramming.
8. b. Ring
9. c. webpage
10. a. Apple
11. a. Alt+F4
12. d. Extension
13. d. %home
14. a. Unary
15. a. Preprocessor Statement

Part: B

16. Hardware devices attached to the computer (1) Example (1)
17. a)  $(10000\ 00000)_2$       b)  $(10100000)_2$
18. The ALU is the computer's calculator. It executes arithmetic and logical operations
19. outputs are based on the inputs presented at the time, is called combinational circuits.

20. LAN, WAN, MAN (1) Expanded form (1)
21. The opening screen of windows xp (or) Basic working platform (1)  
My Computer, My Documents, My Recent Documents (1)
22. To start an applications run command is used as an alternative method.

23. ls -a

24. Pictorial representation of program (1) Any 4 (1)  
Part - C

25. Hardware refers to all the physical items associated with a Computer System.

Software Set of instruction that enables the hardware to perform a specific task.

26. Steps (2) Ans: c (1)

27. ALU, Control, Registers (3) with functions

28. Add's 3 Binary digit - Full adder (14)

Add's 2 Binary digit - Half adder (14)

29. Reserved Memory user Memory (1) Explanation (2)

30. TCP/IP - Expansion (1) Explanation (2)

31. GUI (1) - user friendly (1) Any one (1)

32. Relational operators listing each (1)

32. mkdir <file 1> example (3)

Part - D

34. Five generations each (1) (5) (or)

i)  $1001_{10} \Rightarrow (1111101001)_2$   $(3E9)_{16}$   $(1751)_8$

ii)  $777_{10} \Rightarrow (1100001001)_2$   $(309)_{16}$   $(1411)_8$

35 working principle of CPU  
algorithm (4 pts) - (2) 9 steps (3)

[or]

Design of Logic circuit Any (5 steps) 5

36 Transmission mod listing (1), drawing (1) 3 mode Explanation (3)

[or]

Parts of a window - Title Bar (1) Sizing Buttons (3) Menu Bar (1)

37 Types of user in linux SA (2) Fileowner (1) Group owner (1) other user (1)

[or]

User interface Any 5 points (each 1)

38 XP special feature Any 5 points (each 1)

[or]

Error in header file Mentoring 5 Marks (or) output

```
1
2 2
3 3 3
. . . . .
10 10 10 10 10 10 10 10 10
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M. Math  
19/12/12

Shanthi. S / 19/12/12

L. Anandj Anar  
19/12  
B.P.R.

VAD NS  
19/12

19/12

