

Answer Key

Half yearly Exam - Dec - 2019

Computer Science11
std.I Answer the following

1. c. Separators
2. d. Power on self test
3. c. nibble
4. c. access time
5. c. 700MB
6. c. Thunderbird
7. d. Braid the hair
8. b. Bjarne Stroustrup
9. c. all the above.
10. b. 3
11. b. 0
12. a. Data hiding
13. d. none of the above
14. c. +
15. b. Private

II Answer the following Q-NO:24 Compulsory

16. Speed, Accuracy, Storage, Diligence, Versality,
Power of Remembering, NO IQ.

17. Add: $(1010000010)_2$

18. Two or more processors for a single running process

19. free to use, distribute and modify, lower cost, most secured.

20 = - Assignment operator == → Comparative operator

21. A loop invariant true before & after each iteration
Some Condition that holds for every iterations of the loop.

22 1) statements are processed before the compilation process begins.

23 2) we use to implement predefined functions under header file used to indicate that function do not return any value

24 ^{showing} the essential features without revealing background details.

III Answer in short 33 is Compulsory.

25. Cold Booting : Starts from initial state. The instructions are read from the ROM to initiate the booting process

Warm Booting : System restarts when reset button is pressed. System does not start from initial state.

26. PROM : Can be written only and cannot be erased.

EPROM : Can ~~be~~ change the contents.

27 * Controls and Co-ordinates all the activities of a Computer Science
* Provides an environment for a Computer user to execute program.
* It detects errors present in the hardware and software.

28. Windows OS Linux OS

1) Commercial licensed OS

2) Only one distributor

3) It uses GUI

Open Source OS

Many distributors

It uses kernel

29. The desk top version of Ubuntu supports all normal software like windows

- 30 * Supports office suit called Libre office
- * has built-in email software called Thunderbird
- * Smart Search
- * It is a free operating system.

30 for (int i=2; i<=20; i+=2)

{ cout << i; }

31. 1) To allocate memory space to the objects and

2) To initialize the data member of the class objects.

32 ~~the~~ class derived-class-name:visibility-mode base-class-name
{ // };

Explaining the above statements.

- 33
- use the same key for both encryption and decryption.
 - All authorized persons involved, have to exchange the key used to encrypt the data before they can decrypt.

IV Answer the following

34 a. OCR: optical character Reader (1) ~~also~~ recognize the characters in page as letters. the scanned document can be edited using a word processor.

b) Bar code: Printed pattern in lines of thickness. Fast and Error free entry.

QR: Quick Response. can read by a camera and processed to interpret the image.

(OR)

Types of RAM listing (1) Explaining (4)

35. a) Process Management : Def (1)
1) FIFO 2) SJF 3) Round Robin 4) Based on Priority. (A)
(OR)
b) C++ operators (Any 5)
36. Conversion types listing alone (1) Explanation (4).
(OR)
Entry Control loop for (1) - ~~code~~
Syntax (2) Example (2)
37. call by reference def (2) Example (3)
(OR)
Input - (2) output (2) Header files (1)
38. 5 characters (5) (OR)
Constructor of base class
Constructor of derived class
Constructor of derived class
Destructor of derived
Destructor of derived class
Destructor of base class

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2 copies
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21/12/19