

BRAC UNIVERSITY
Post-graduation Programs
Department of Computer Science and Engineering
Admission Test

Instructions

There will be two sections in the exam

1. Questions Based on Compute Science
2. English Composition

Section 1

1. What is the length of an IPv6 address? Give an example.
2. IEEE 802.11B in 2.4GHz is a WLAN standard, what is the maximum bandwidth that it can provide?
3. How many layers do we have in OSI and TCP/IP?
4. What do you mean by VLSM and CIDR?
5. What is the decimal equivalent of $(1011.1101)_2$?
6. Write the statement to obtain a remainder after dividing 3.14 by 2.1?
7. Write the command to round off a value from 1.66 to 2.0.
8. What will be the result of the below Java Code?

```
public class Test {  
    public static void main(String args[]) {  
        int i = 0, j = 5 ;  
        for( ; (i < 3) && (j++ < 10) ; i++ ) {  
            System.out.print(" " + i + " " + j);  
        }  
        System.out.print(" " + i + " " + j);  
    }  
}
```

9. What do you mean by platform independency of programming language?

10. What do you mean by Primary Key and Foreign Key for a database?

11. Write SQL command to create a database "MainRecord".

12. Write SQL command to create a table "Record1" in "MainRecord" Database.

13. Write SQL command to select Age rows from "Record1" where "Age=32".

14. What do you mean by Thread and Multithread?

15. What is SDLC?

Section 2

Students have to write a composition, not exceeding 200 words, expressing their opinion about a given topic.

SAMPLE QUESTIONS