



**QP CODE: 24000609**

**Reg No** : .....

**Name** : .....

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, MARCH 2024**

**Sixth Semester**

**CHOICE BASED CORE COURSE - PH6CBT01 - INFORMATION TECHNOLOGY**

Common for B.Sc Physics Model I, B.Sc Physics Model II Applied Electronics, B.Sc Physics Model II Computer Applications & B.Sc Physics Model III Electronic Equipment Maintenance

2017 Admission Onwards

B126760E

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is the use of graphical user interface?
2. What is a router?
3. What are the 3 types of network?
4. Which topology is best?
5. What is the use of electronic mail?
6. What is network security?
7. What are the benefits of search engines?
8. What is HTML in simple terms?
9. What is the use of the **tag**?
10. How do you add special characters in HTML?
11. What is Structured Query Language in DBMS?
12. What are the advantages of MS Access over MS SQL Server?

(10×2=20)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain TCP/IP reference model.





14. What is the difference between TCP/IP model vs. OSI model?
15. Write short notes on (a)FTP (b)Telnet ( c) Usenet (d) news group.
16. Create a style and use them in various places in your HTML document.
17. Write html code to generate following output.
  - Coffee
  - Tea
    1. Black Tea
    2. Green Tea
  - Milk
18. How to Build Tables in HTML5?
19. Define forms in HTML.
20. What are the responsibilities of the DBA and the database designers?
21. Explain database schema with example.

(6×5=30)

### Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain different classes of IP addresses. What is the format of the various IP address classes? What is the possible range of IP addresses for the different classes?
23. Three ways of implementing style in HTML . Explain with example.
24. Compare the features of Network, Hierarchical and Relational model with the help of examples.
25. What is OSI Model? Explain the functions and protocols and services of each layer.

(2×15=30)

