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# **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.

- What is the use of graphical user interface? 1.
- 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?
- What is network security? 6.
- 7. What are the benefits of search engines?
- What is HTML in simple terms? 8.
- 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?

 $(10 \times 2 = 20)$ 

#### Part B

Answer any six questions. Each question carries 5 marks.

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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)