**QP CODE: 21101100**

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

Name : ...................

# B.Sc DEGREE (CBCS) EXAMINATION, APRIL 2021

## 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

187AF00B

Time: 3 Hours                                                                                            Max. Marks : 80

### Part A

*Answer any **ten** questions.*

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

1.  What are the roles and responsibilities of information technology?

2.  What is meant by GUI?

3.  What is a hub in computer?

4.  What are the types of network topology?

5.  What is a broadcast IP address?

6.  What is HTTP and why it is used?

7.  What is the purpose of digital signature?

8.  What is HTML in simple terms?

9.  What is TAG ? Explain in Details .

10. What you mean by Nested Tables in HTML?

11. What is meant by the term query language?

12. What is Microsoft Access database?

(10×2=20)

### Part B

*Answer any **six** questions.*

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

13. What is the difference between TCP/IP model vs. OSI model?

14. How to create a new e-mail account?How to attach a file in e-mail?

15. Explain the difference between search engines and web browsers.

16. Explain the Structure of HTML Program

17. Explain the difference between the ordered list unordered list with examples.

18. How frame is used in HTML with example?

19. How to Create a Drop-Down List in an HTML Form?

20. Explain database schema with example.

21. What is database modeling? How is E-R model different from other data models? What are the main advantages of the E-R model?

(6×5=30)

## Part C

*Answer any **two** questions.*

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

22. What is TCP/IP Model? Explain the functions and protocols and services of each layer?

23. Write the HTML code to generate a Web Page in the format given below: Consider the following while writing the HTML code: I. Background colour of the page should be "Cyan". II. Text style should be Comic Sans MS and colour should be Red. III. Picture used in the page is the file "power.jpg" IV. Table should have a border of color Red. V. Use the concept of nested lists for creating the list given in the web page with specified bullets. VI. Pages linked to : a) Indoor Avtivities as "indoor.html" b) Outdoor Activities as "outdoor.html" VII. Bottom message should be of size 2.

24. Discuss the characteristics of database approach in detail.

25. What is OSI Model? Explain the functions and protocols and services of each layer?

(2×15=30)