

B.Sc. Semester-III Examination, 2022-23**COMPUTER SCIENCE [Honours]**

Course ID : 31514

Course Code : SH/CSC/304/GE-3

**Course Title : Computer Network and Internet Technologies
– Theory****OR****Multimedia and Applications – Theory**

Time : 1 Hour 15 Minutes

Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in
their own words as far as practicable.***(Computer Network and Internet Technologies – Theory)**1. Answer any **five** of the following questions:

1×5=5

- What is a node?
- Give full forms of the SMTP.
- What is anchor tag?
- IP address 192.168.10.1 belongs to which class?
- Write down the difference between "=" and "==" operators.
- What is Internet and Intranet?
- What is NIC?
- What is HUB?

2. Answer any **two** of the following questions:

5×2=10

- What is a bridge? In which layer you find it? Write down advantages and disadvantages of using Bridge. 1+1+3
- Diagrammatically explain the layers of TCP/IP model.
- What are the different data types present in javascript? Explain them.
- Explain Star and Mesh topologies.

3. Answer any **one** of the following questions:

10×1=10

- Write the HTML code to generate a Web Page in the format given below: Consider the following while writing the HTML code: Background colour of the page should be "blue".
Text font colour should be Red.
Picture used in the page is the file "activity.jpg"
Table should have a border of color "yellow".
Use the concept of nested lists for creating the list. 10
- Write down the advantages and disadvantages of Twisted pair cable and Coaxial cable. Write down difference between LAN, MAN and WAN. What is DNS? 4+4+2

[Turn Over]

(Multimedia and Applications – Theory)

1. Answer any **five** of the following questions:

1×5=5

- a) Write down the full form of MIDI.
- b) Name any two image editing software.
- c) Name any two sound file formats.
- d) Give an example of non-impact printer.
- e) What is the default extension of Photoshop image file?
- f) Write down the shortcut key to deselect a selection in Photoshop.
- g) What is the extension of flash files?
- h) What is the maximum value for a color in RGB color model?

2. Answer any **two** of the following questions:

5×2=10

- a) What is Hypermedia and Hypertext? What are the uses of MIDI files? 2+3
- b) What are various animation techniques?
- c) Describe various Image and Sound file formats.
- d) Write a short note on authoring tools.

3. Answer any **one** of the following questions:

10×1=10

- a) Explain various applications of Multimedia in details. What are the steps to Crop an image? 6+4
- b) What is story board? How to create a story board? Explain designing steps of project planning. 2+4+4
