



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

B.F.Sc. 1st Semester Examination 2021

PAPER—BFSC-107

INFORMATION AND COMMUNICATION TECHNOLOGY

Full Marks : 70

Time : 3 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

THEORY

1. Answer any *ten* questions. 10×2
- (a) What do you understand by shareware?
- (b) What is the difference between open source and freeware software?
- (c) (i) Which IP system is in use mostly in current time, IPv4 or IPv6?
- (ii) IPv4 takes how many bits to store the address? 1+1

- (d) State the basic difference between the languages HTML and C?
- (e) (i) What is the difference between '*font*' and '*front*'?
- (ii) What is the maximum font size in MS word? 1+1
- (f) What do you understand by *header* and *footer*?
- (g) (i) To start a presentation from the beginning in MS Powerpoint which function button has to be clicked?
- (ii) To start a presentation from the current slide in MS Powerpoint which function button has to be clicked? 1+1
- (h) What is the basic difference between Linux and Unix?
- (i) Is it legal to edit Linux kernel?
- (j) What is Linux kernel?
- (k) What do you understand by *extension name*?
- (l) What are the *tags* and *attributes* in HTML?
- (m) What is difference between *http* and *https*?
- (n) (i) Why is *www* used in the internet?
- (ii) What does the extension *.edu* means? 1+1
- (o) Briefly explain the SMCR in model.

2. Answer any six questions. 6×5

- (a) What do you understand by *Assembly Language*? What are the benefits of *Assembly Level Programming*? What is *opcode* and *operand*? 1+2+2

- (b) Draw a flowchart to find the smaller of two numbers.
- (c) Briefly describe the important functions of an Operating System.
- (d) What is '*cone of experience*'? Why A. V. aids are important in Teaching-Learning process? Describe from '*cone of experience*' perspective. 2+3
- (e) What do you understand by '*gutter margin*'? Why is it used for? Describe the process of applying *watermark* to a MS word document. 2+3
- (f) What do you mean by *cells* in excel? Explain what is a *spreadsheet* and *workbook*? How do you freeze panel in Excel? 3+2
- (g) What are the different types of computer networks based upon geographical span? Write the differences between *www* and *internet*. 3+2
- (h) Describe the different components of the CPU.
- (i) What is *absolute addressing* in spreadsheet? How does it differ from relative cell addressing? State the difference between *data* and *information*. 3+2
- (j) State the difference between *machine* and *assembly* language. How *assembly language* is translated into machine level? 2+3

PRACTICAL

Answer any *two* questions. 2×10

1. Convert the following values from decimal to binary system. 4×2.5

(a) $(25)_{10} = (\quad)_2$

(b) $(42)_{10} = (\quad)_2$

(c) $(0.625)_{10} = (\quad)_2$

(d) $(11001)_2 = (\quad)_{10}$

2. Write down the steps that influencing the selection of audio-visual aids.

3. Write down the process of creation of E-mail account.

4. Submit a poster using MS-Power point.
