

Reg. No.

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B.E. / B.TECH. DEGREE EXAMINATIONS, DEC 2019

Third Semester

IT18301 – IT ESSENTIALS*(Information Technology)***(Regulation 2018)****Time: Three Hours****Maximum : 100 Marks**

Answer ALL questions

PART A - (10 X 2 = 20 Marks)

	CO	RBT
1. Calculate the total number of bytes for a gray scale and color image of size 512x480 and 1024x1200.	1	AP
2. State the social impact of IT in society?	1	R
3. What is DNS? Give an example.	2	R
4. Explain the attributes of and <a> tag	2	U
5. Compare client side scripting and server side scripting.	3	U
6. Define a PHP cookie?	3	R
7. Give the name of reliable and non reliable protocol.	4	U
8. Distinguish flow control and error control.	4	AN
9. Define Handoff. Mention its types.	5	R
10. State few problems encountered in mobile phones.	5	R

PART B - (5 X16 = 80 Marks)

11. (a) (i) Describe briefly on acquisition, storage and compression of audio data with example. **(16)** **1** **U**

(OR)

- (b) (i) Explain various types of E- commerce in detail. **(16)** **1** **U**

12. (a) (i) Create a static and a dynamic webpage by applying styles. (16) 2 C

(OR)

(b) (i) Discuss in detail about the working principle of a website. (8) 2 U

(ii) Design a form to accept student details and validate mobile number. (8) 2 C

13. (a) (i) Write a PHP Code to determine whether a given number is a 'Palindrome Number' or not. (8) 3 C

(ii) Write a PHP code to display the following pattern. (8) 3 C

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

(OR)

(b) (i) Explain various file operations in PHP in detail. (8) 3 U

(ii) Design a form to accept user name in one web page and display it along with hello in another page. (8) 3 C

14. (a) (i) Draw and explain various network topologies in detail. (16) 4 U

(OR)

(b) (i) Explain end to end data delivery mechanism. (16) 4 U

15. (a) (i) Discuss in detail the operation of voice calls and SMS with neat diagram. (16) 5 U

(OR)

(b) (i) Explain GSM architecture with neat diagram. (16) 5 U