

S.No. 2021

12UCSN01

(For the candidates admitted from 2012-2013 onwards)

U.G. DEGREE EXAMINATION, APRIL/MAY 2018.

Third Semester

NMEC : FUNDAMENTALS OF INFORMATION
TECHNOLOGY

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Data.
2. Expand the acronym Bit.
3. What is software?
4. Why computer need memory?
5. What is a MODEM?
6. Mention any four communication devices.
7. Write two basic types of Networks.

8. Define Topology.
9. What is Internet?
10. What is a WWW?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss Binary Coded Decimal with example.

Or

- (b) Write short note on bit, byte and kilo byte.

12. (a) Explain the working of the CPU.

Or

- (b) What are HLL?

13. (a) What is the difference between Analog and Digital signals?

Or

- (b) Discuss the types of Modulations.

14. (a) What are the functions of network Protocols.

Or

- (b) What is the purpose of Local Area Networks?

15. (a) What is TCP/IP? How does it work?

Or

- (b) How URL works?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions out of Five.

16. Discuss various states of IT careers.

17. What are the characteristics and trends in the case of Programming Languages?

18. Describe the advantageous and limitations of ISDN.

19. Describe OSI reference model with a suitable diagram.

20. How does an e-mail works? Explain with a neat diagram.