M 5255

Reg. No. : ....

Name : ....

III Semester B.A./B.Sc./B.Com./B.B.A./B.B.A. T.T.M./B.B.M./B.C.A./B.S.W./ B.A. Afsal Ul Ulama Degree (CCSS – Regular/Supple./Improvement) Examination, November 2013
CORE COURSE IN MATHEMATICS
3B03 MAT : Informatics

Time : 3 Hours   Max. Weightage : 30

1. Fill in the blanks :

 i) _____ holds all the instruction, the computer needs to startup.

 ii) A worldwide network of networks is called _____

 iii) _____ is the founder of free software foundation.

 iv) The command \(...\) is the same as the command _____ in LATEX.

                                                  (Weightage 1)

2. Choose the most suitable answer :

 i) Which among the following is not an input device ?

     a) Microphone   b) Speaker   c) Webcam   d) Digital pen

 ii) The first ATM was put into use in the year

     a) 1947   b) 1959   c) 1962   d) 1969

 iii) The Headquarters of INFLIBNET is situated at

     a) Delhi   b) Kolkata   c) Ahmedabad   d) Bangalore

 iv) Free software foundation was founded in the year

     a) 1999   b) 1988   c) 1989   d) 1985

                                                  (Weightage 1)

Answer **any five** from the following : **(Weightage 1 each)**

3. Distinguish between data and information.

4. What is plagiarism ?

5. What is open source software ?

6. What is e-waste ?

7. Write down the command for displaying an equation in LATEX.

8. What is BIBTEX in LATEX ?

9. How will you display a word in blue colour using LATEX ?

10. Explain the special constants in Scilab. **(Weightage 5×1=5)**

Answer **any seven** from the following : **(Weightage two each)**

11. Write short notes on computer networks.

12. Explain the advantages of DSL.

13. What are search engines ? Explain the different parts of the search engine.

14. Write short notes on ergonomics.

15. Explain the applications of IT in business.

16. Explain the applications of IT in the services of disabled.

17. What are neural networks ? Explain.

18. Explain the method of drawing a straight line in LATEX.

19. Illustrate with an example the procedure for displaying a fraction in LATEX.

20. Explain the use of call function with examples in Scilab.   **(Weightage 7×2=14)**

Answer **any three** from the following :   **(Weightage three each)**

21. Explain, in detail, the characteristics of operating system.

22. What are the different internet access methods ?

23. Explain the guidelines for proper usage of computers to avoid health issues.

24. What are the domain areas of Artificial Intelligence ? Explain in detail.

25. Discuss, in detail, about libraries in Scilab.   **(Weightage 3×3=9)**

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