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Name.............................

Reg. No..............................

THIRD SEMESTER B.Sc./B.M.M.C. DEGREE EXAMINATION NOVEMBER 2015

(CUCBCSS—UG)

Common Course

A 12—GENERAL INFORMATICS

Time : Three Hours

Maximum : 80 Marks

Part I

Answer **all** *questions.*

1 ———— has a substantial advantage over the bus topology.

    (a) Ring topology.   (b) Star topology.

    (c) Bus topology.

2. Electronic Data Interchange or EDI, uses which of the following to allow the computers of two different companies to 'talk' to one another ?

    (a) Application software.   (b) Interaction software.

    (c) Translation software.

3. Which of the following cannot be protected by copyright ?

    (a) Graphic works.

    (b) Folklore.

    (c) Computer software and hardware.

4. The first process launched by the linux kernel is :

    (a) Init process.   (b) Zombie process.

    (c) Batch process.

5. Which of the following OS is not based on Linux ?

    (a) Redhat.   (b) CentOs.

    (c) BSD.

6. First linux kernel which supports the SMP hardware was ————.

7. ———— command is used to record a user login session in a file.

8. ———— is the environmentally responsible use of computers and related resources.

Turn over

9. —————facilitates the clients to share data, information or any hardware and software resources.

10. ————— is a Unix-like computer operating system kernel.

(10 × 1 = 10 marks)

Part II (Short Answer questions)

Answer any eight questions.
Each question carries 2 marks.

11. What is ring topology ?

12. What is an operating system ?

13. What is e-governance ?

14. What do you mean by cloud computing ?

15. Distinguish between NICENET and BRNET.

16. What is cyber ethics ?

17. What is regional language ?

18. Define privacy issues.

19. What is open source software ?

20. How to use open office.org office suit ?

(8 × 2 = 16 marks)

Part III (Short essay)

Answer any six questions.
Each question carries 4 marks.

21. What are the uses of network ?

22. What is information system ? Explain its components.

23. Difference between cloud computing and DNA computing.

24. Explain copy rights and patents.

25. Explain about Academic Service.

26. What do you mean by internet as a knowledge repository ?

27. Explain about third party Linux Repository.

28. What are the procedures for using metacity windows ?

(6 × 4 = 24 marks)

Part IV (Long Essay)

Answer any **two** *questions.*
Each question carries **15** *marks.*

29. Explain about mobile computing and wireless applications.

30. Give detailed explanation about academic search technique.

31. Explain the following :

    (a) Knowledge Management

    (b) IPR.

    (c) Use of IT in teaching and learning.

(2 × 15 = 30 marks)