



DSECA – 503

V Semester B.C.A. Degree Examination, February/March 2024

(NEP Scheme) (Freshers)

COMPUTER APPLICATIONS

Cloud Computing

Time : 2½ Hours

Max. Marks : 60

**Instruction :** Answer *all* the Sections.

SECTION – A

I. Answer **any 6** questions. **Each** question carries **2** marks.

(6×2=12)

- 1) What are the advantages of cloud computing ?
- 2) What is Community Cloud and Hybrid Cloud ?
- 3) What is the role of virtualization in cloud computing ?
- 4) List any two virtualization tools available.
- 5) What features are provided by the Aneka management tools ?
- 6) What is AWS ? List the 3 types of storage in AWS.
- 7) What is the function of web role in Microsoft Azure ?
- 8) What is salesforce.com ?
- 9) Mention different cloud service provider.



SECTION – B

II. Answer **any 4** questions. **Each** question carries **6** marks.

(4×6=24)

- 10) What are the challenges in Cloud Computing ?
- 11) Explain the characteristics of PaaS solutions.
- 12) What are the main components of AWS ?
- 13) Discuss the application of cloud computing in Business and Consumer Applications.
- 14) Write a note on Aneka application and service model.
- 15) Differentiate full virtualization and para-virtualization.

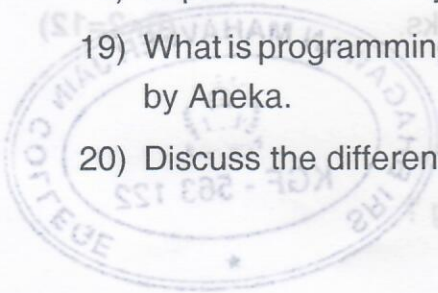
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SECTION – C

III. Answer **any 3** questions. **Each** question carries **8** marks. **(3×8=24)**

- 16) a) What is virtualization ? Explain in detail the pros and cons of virtualization. 5
- b) Explain different components of distributed computing. 3
- 17) Explain Infrastructure-as-a-service reference model in detail.
- 18) Explain Microsoft Hyper-V architecture.
- 19) What is programming model ? Discuss the programming models supported by Aneka.
- 20) Discuss the different services offered by Microsoft Azure.



(4×6=24)