WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 5th Semester Examination, 2020, held in 2021

CMSADSE03T-COMPUTER SCIENCE (DSE1/2)

CLOUD COMPUTING

Time Allotted: 2 Hours   Full Marks: 40

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.

1. Answer any *four* questions from the following: 2×4 = 8

    (a) What are Hybrid clouds?

    (b) What is big-table?

    (c) State the full form of VPN and why it is used?

    (d) What are the issues in parallel and distributed paradigms?

    (e) Write down the risks of storing data in a cloud.

    (f) What is cloud provisioning?

    (g) What is the use of "EUCALYPTUS" in cloud computing?

    Answer any *four* questions from the following   8×4 = 32

2. (a) Explain Cloud Computing Architecture.   3+5

    (b) What is big-table? Explain it with a diagram.

3. (a) Write a short note on security challenges in cloud computing.   5+3

    (b) What is the use of Google file system?

4. (a) Compare among Public, Private and Hybrid clouds.   5+3

    (b) What is the difference between cloud computing and mobile computing?

5. (a) Compare the characteristics of PaaS and SaaS.   4+4

    (b) Explain and list out various cloud computing platforms and techniques.

6. What is virtualization? State the advantages and disadvantages of virtualization.   2+6

7. Write the short notes: (any *two*)   4+4

  (a) Google App Engine

  (b) Community cloud

  (c) Hive and Hadoop.

8. What is B2B model? Draw and explain Amazon cloud computing infrastructure?   2+6

    N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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