

M.Sc. 1st Semester Examination, 2023

COMPUTER SCIENCE

(Practical)

PAPER – COS-196 (M2)

Full Marks : 25

Time : 3 hours

Answer **all** questions

The figures in the right hand margin indicate marks

GROUP – A

Answer any **one** question :

15 × 1

1. Install Virtualbox/VMware Workstation with different flavors of OS(windows/Linux) on top of Windows.
2. Install a C compiler in the virtual machine created using a virtual box and execute Simple Programs.

3. Install Google App Engine. Create hello world app and other simple web applications using python/java.

GROUP-B

Answer any **one** question :

10 × 1

4. Use the GAE launcher to launch the web applications.
 5. Simulate a cloud scenario using CloudSim and run a scheduling algorithm that is not present in CloudSim.
 6. Find a procedure to transfer the files from one virtual machine to another virtual machine.
 7. Install Hadoop single node cluster and run simple applications like wordcount.
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