

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____

(CM)

Perform following tasks on Hyper-V environment with SCVMM 2012. (40)

- a) Managing Hosts and Host Groups
- b) Connecting to Hyper-V and deploying VMs.
- c) Performing Live Migration using Hyper-V Manager.
- d) Creating a Virtual Machine and Modifying Its Properties
- e) Cloning a Virtual Machine

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____

(CM

)

Perform following tasks on Hyper-V environment with SCVMM 2012. (40)

- a) Creating a Hyper-V Failover Cluster
- b) Managing a Hyper-V Failover Cluster
- c) Configuring and Managing Hyper-V Replica
- d) Moving Hyper-V Storage and Virtual Machines

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Perform following tasks using App-Controller (40)

- a) Deploying a new virtual machine running Windows Server 2012 Datacenter edition to Hyper-V using App-Controller.
- b) Creating a Service Template
- c) Deploying a Service and Updating a Service Template
- d) Deploying a Virtual Machine in App Controller

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Manage Private cloud with App Controller by performing following tasks. (40)

- a) Deploying a new virtual machine.
- b) Adding Virtual Hard Disks and integrating it with VMs.

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Use Data Protection Manager for Backup and Recovery for following tasks. (40)

- a) Creating a new protection group from the Protection workspace.
- b) Performing a recovery from the Recovery workspace.

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Demonstrate Operations Manager for real-time monitoring. (40)

- a) Adding new network devices to the Operations Manager console.
- b) Configuring and Monitoring hardware, servers, virtual machines, etc.
- d) Configuring Operations Manager Monitoring Components
- e) Configuring Operations Manager Integration with System Center 2012 R2 Virtual Machine Manager (VMM)

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Perform the tasks Using Service Manager to Standardize. (40)

- a) Creating a new related service request.
- b) Configuring the settings for an incident and reviewing an incident that has been closed.

Perform the tasks Using Orchestrator for automation.

Creating runbook that automates a process relating to VMware vSphere.

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Using Configuration Manager 2012 for managing and maintaining perform. (40)

- a) Setting up an alert for compliance.
- b) Connecting devices and monitoring its health.
- c) Managing users and user groups hierarchy.

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____

(CM

)

1. Install and configure System Center 2012 Virtual Machine Manager [20]
2. Connect VMM to two HyperV Servers and Deploy a Virtual Machine [20]

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____

(CM

)

1. Create a Virtual Machine in HyperV using VMM. [10]
2. Clone the virtual machine [10]
3. Perform Live Migration using VMM [10]
4. Move the HyperV machines and Storage using VMM [10]

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

1. Deploy a virtual machine using App Controller to the Private Cloud. [20]
Add a virtual hard disk (.vhd) file and integrate it with the VMM
2. Library [20]

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

1. Create a Service Template for a Single Tier Service system. [20]
2. Deploy the Template to the Private Cloud using App Controller [20]

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Using Data Protection Manager

1. In DPM, create a Data Protection Group. Install the agent on a computer (SCORC/SCOM). Create a Database named DemoDB<RollNo> with a table Students have columns for RollNo and Name. Insert few rows of data into it. Create the Protection group to backup the DB data [20]
2. Modify the table after the backup. Perform the Recovery using DPM and verify that the data in the database is the same as it was when Protection Group was made [20]

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Using Data Protection Manager

1. In DPM, create a Data Protection Group. Install the agent on a computer (SCORC/SCOM). Create a folder 'Backup' in the C drive of the agent machine and add few files to it. Create a Protection Group to backup that machine. [20]
2. Delete the contents of the 'Backup' folder and verify the Recovery is happening properly. [20]

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Using Operations Manger for Real-time monitoring

1. Perform network monitoring on a network device [20]
2. Perform server based monitoring on a windows server using an 'Agent' [20]

Show the different views (State, Alert,etc) present in the respective monitoring folder.

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Using Operations Manger for Real-time monitoring

1. Perform network monitoring on a network device [20]
2. Perform server based monitoring on a windows server using an 'Agentless' install [20]

Show the different views (State, Alert,etc) present in the respective monitoring folder.

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Using Advisor for proactive monitoring

1. Review a critical alert by creating an alert for low disk space [20]
2. Connect the SCOM server to Advisor and add servers to the Advisor server group [20]

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Using Service Manager

1. Configure the Incident settings. Set the prefix to be the initials of your name. Allow it to accept upto 5 attachments. [20]
2. Create a related service request “Request for VM” for an incident “VM not working” [20]

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM)

Using Orchestrator for Automation

1. Create a vSphere ESXI based runbook that will
 - Shutdown a running virtual machine. [15]
 - Create a new Virtual Machine named XP<RollNo>. Allocate 256MB ram to it, give the Ethernet name as Ethernet. [15]
 - Delete the previously started VM. [10]

UNIVERSITY OF MUMBAI
M.Sc.Information Technology (Part-II) Sem III Practical Examination
June – 2016
COURSE – PSIT404C

Candidate No: _____ (CM
)

Using Configuration Manager

1. Setting up an alert for compliance [15]
2. Connecting devices and monitoring health [15]
3. Managing users and groups hierarchy [10]