Subject Code: CDV 4001   Duration: 3 hours
Subject: Sys. Provisioning and Confi. Management incl more focus on cloud/Puppet/chef/cloud agnostic(terraform)
Max. Marks: 100

Instructions
- All Questions are compulsory
- The Question paper consists of 2 sections - Part A contains 10 questions of 2 marks each. Part B consists of 5 questions of 16 marks each.
- There is no overall choice. Only Part B question include internal choice.

PART – A
(2 * 10 = 20 Marks)

1. List the benefits of configuration management? **(2 Marks)**

2. What are the popular tools of configuration Management? **(2 Marks)**

3. How Puppet Works? **(2 Marks)**

4. What can Kubernetes do? **(2 Marks)**

5. What is cloud automation? **(2 Marks)**

6. What is code scanner? **(2 Marks)**

7. Define cloud migration? **(2 Marks)**

8. What is the operational procedure of infrastructure as code? **(2 Marks)**

9. List the benefits configuration management? **(2 Marks)**

10. Define Automation, Preventing Errors and Tracking of Changes? **(2 Marks)**

PART – B
(16 * 5 = 80 Marks)

11. a) Explain Key Details about Helm ? Also discuss the components in Helm? **(16 Marks)**

OR

b) Explain in detail the concepts of Deployment. **(16 Marks)**

12.a) Explain about the life cycle of provisioning on cloud? **(16 Marks)**

OR

b) i) Describe the benefits of cloud automation? **(8 Marks)**
ii) What is the cloud automation usage? **(8 Marks)**

13.a) Discuss the benefits of cloud computing ? **(16 Marks)**

OR

b) i) Explain the participants about the types of service model ? **(8 Marks)**
ii) Discuss the difference between IaaS,PaaS,and SaaS ? **(8 Marks)**

14. a) Describe about the process of preventing errors in DevOps? **(16 Marks)**

OR

b))Discuss in detail about the benefits of continuous deployment? **(16 Marks)**

15.a)) Explain about the drawbacks of configuration management ? **(16 Marks)**

OR

b) Explain how the monitoring is supported in DevOps? **(16 Marks)**