

**Indian Institute of Information Technology, Sri-City, Chittoor**  
**Department of Computer Science**  
**End Semester for UG3 (Dec 2020)**

**Sub:** CLOUDCOMPUTING  
**Max Marks:** 16 + 4 (VIVA)

**Date:** 09/12/2020  
**Time:** 9.00 to 11.00 AM

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Name:	Sem:	Roll No:
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1. What is Ansible and briefly explain its features.		[3]
2. Difference between Docker and Kubernetes.		[2]
3. Consider you are developing an application and every quarter there will be new release / versions for the given application.		[4+2]
a. How do you achieve this using CI / CD approach? Give a complete model / diagram along with tools used for the same.		
b. Further, how do you automate to deploy the same application on any cloud domain / any Data Center? Give steps or diagram.		
4. If the question 3 has to be deployed on any public cloud for production grade, then what all precautions to be taken as a cloud engineer? Give complete design / architecture for hosting the application on any cloud platform.		[5]