UKA TARSADIA UNIVERSITY (DIWALIBA POLYTECHNIC)
DIPLOMA IN COMPUTER ENGINEERING
ASSIGNMENT (CLOUD INFRASTRUCTURE)

UNIT1

1. Explain cloud computing in detail.
2. Explain cloud Consumer in detail.
3. Explain cloud Provider in detail.
4. Explain goals of cloud computing in detail.
5. Explain Benefits of cloud computing in detail.
6. Explain Risk & challenges of cloud computing in detail.

UNIT-2

1. Explain roles and boundaries of cloud computing.
2. Explain cloud characteristics in detail.
3. Explain different types of cloud delivery model in detail.
4. Explain different cloud deployment model in detail.

UNIT-3

1. Define cloud infrastructure.
2. Explain logical network perimeter.
3. Explain virtual server in detail.
4. Explain cloud usage monitor.
5. Explain resource replication in detail.

UNIT-4

1. Explain Workload distribution architecture in detail.
2. Explain Resource pooling architecture in detail.
3. Explain dynamic scaling model in detail.
4. Explain Elastic resource capacitive architecture in detail.
5. Explain service load balancing in detail.
6. Explain redundant storage architecture in detail.

UNIT-5

1. Explain data centre technology in detail.
2. Explain vitalization in detail.
3. Explain different types of hardware in detail.
4. Explain virtualization technology in detail.
5. Explain web technology in detail.
6. Explain multitenant technology in detail.
7. Explain service technology in detail.

UNIT-6

1. Explain Hypervisor clustering architecture in detail.
2. Explain load balancer virtual server instance architecture in detail.
3. Explain Zero downtime architecture in detail.
4. Explain cloud balancing architecture in detail.
5. Explain Resource reservation architecture in detail.
6. Explain bare metal provisioning architecture in detail.
7. Explain storage workload management architecture in detail.