

## 2147130 LAB9

Q) 1) Describe PaaS and mention how PaaS supports the Deployment of Scalable Web Applications in a Cloud Environment.

ANS → Platform as a service (PaaS) is a cloud computing model where a third-party provider delivers hardware and software tools to users over the internet. Usually, these tools are needed for application development. A PaaS provider hosts the hardware and software on its own infrastructure. As a result, PaaS frees developers from having to install in-house hardware and software to develop or run a new application. It allows companies to focus on what they specialize in without worrying about maintaining basic infrastructure.

Q) 2)

The screenshot displays a web browser window with multiple tabs. The active tab is titled "App Engine: Qwik Start - Python". The browser address bar shows a URL from "cloudskillsboost.google". The main content area of the browser displays a message "Hello, Cruel World!" and a status message "Your application is deployed and you can read the short message in your browser." Below this, there is a green checkmark icon and the text "Assessment Completed!".

On the left side of the browser window, there is a sidebar with a "Caution" message and a "Deploy your app." button. Below the sidebar, there is a "Task 7. Test your knowledge" section. On the right side of the browser window, there is a sidebar with a "GSP067" header and a "100/100" score. The sidebar contains a list of tasks: "Overview", "Setup and requirement", "Task 1. Enable Google App Engine Admin API", "Task 2. Download the Hello World app", "Task 3. Test the application", "Task 4. Make a change", "Task 5. Deploy your app", "Task 6. View your application", "Task 7. Test your knowledge", and "Congratulations!".