

Week 8: Cloud Computing Assignments

[One or more options may be correct]

<i>Sl No</i>	<i>Question</i>
1	<p>The major feature(s) of Docker is/are:</p> <ul style="list-style-type: none">a) Modelb) Developc) Run anywhered) Debug <p>Ans: b,c</p>
2	<p>Statement 1: Docker Engine is used for hosting various Docker images. Statement 2: Docker Hub is used for building Docker images.</p> <ul style="list-style-type: none">a) Statement 1 is TRUE and Statement 2 is FALSEb) Statement 1 is FALSE and Statement 2 is TRUEc) Both statements are TRUEd) Both statements are FALSE <p>Ans: d</p>
3	<p>Multiple docker containers can run on the same machine and share the OS kernel with other containers</p> <ul style="list-style-type: none">a) TRUEb) FALSE <p>Ans: a</p>
4	<p>Energy Consumption of a typical Data Center (DC) consists of:</p> <ul style="list-style-type: none">a) Cooling Systemb) IT Equipmentc) Power Distributiond) Security Methods <p>Ans: a,b,c</p>
5	<p>Statement 1: Two-tier DC architecture consists of Aggregation and Core layers. Statement 2: Three-tier DC architecture consists of Access, Aggregation and Core layers.</p> <ul style="list-style-type: none">a) Statement 1 is TRUE and Statement 2 is FALSEb) Statement 1 is FALSE and Statement 2 is TRUEc) Both statements are TRUEd) Both statements are FALSE <p>Ans: b</p>
6	<p>The dynamic part of DC server energy model is primarily contributed by</p> <ul style="list-style-type: none">a) CPUb) Diskc) I/O resourcesd) Memory Modules <p>Ans: a</p>

7	<p>Statement 1: Sensor cloud integrates large-scale sensor networks and cloud computing infrastructures</p> <p>Statement 2: Sensor cloud collects and processes data from various sensor networks</p> <p>(a) Statement 1 is TRUE and Statement 2 is FALSE</p> <p>(b) Statement 2 is TRUE and Statement 1 is FALSE</p> <p>(c) Both statements are TRUE</p> <p>(d) Both statements are FALSE</p> <p>Ans: c</p>
8	<p>Sensor Cloud Proxy collects data from the sensor network continuously or as and when requested by the cloud services</p> <p>(a) True</p> <p>(b) False</p> <p>Ans: b</p>
9	<p>Which of the following building blocks are present in an IoT platform?</p> <p>(a) Things</p> <p>(b) Proxy</p> <p>(c) Gateway</p> <p>(d) Network and Cloud</p> <p>Ans: a,c,d</p>
10	<p>Which of the following challenges faced by the IoT systems are addressed by IoT cloud?</p> <p>(a) Scale</p> <p>(b) Speed</p> <p>(c) Safety</p> <p>(d) Privacy</p> <p>Ans: a,b,c,d</p>