[6027]-35

S.Y. M.C.A. (Management)
IT - 35 : CLOUD COMPUTING
(2020 Pattern) (Semester -III)

Time : 2½ Hours]   *[Max. Marks : 50*

Instructions to the candidates:
    1)   *All questions are compulsory.*
    2)   *Figures to the right indicate full marks.*

Q1) Write correct option (or) filling the blanks of following questions.*[each ½ Mark]*

    a)   Broadly divide the cloud Architecture into?

            i)   2   ii)   3

            iii)   4   iv)   5

    b)   Which of the following is Type - 1 Hypervisor?

            i)   Windows River simics   ii)   Virtual server 2005 R2

            iii)   KVM   iv)   Lynx secure

    c)   Which of the following runs on Xen Hypervisor?

            i)   Azure   ii)   AWS E2

            iii)   AWS EC3   iv)   All of the mentioned

    d)   Which of these is Identity in I AM?

            i)   Groups   ii)   Users

            iii)   Roles   iv)   All of the mentioned

    e)   Which of the following services that need to be negotiated in service Level Agreement ?

            i)   Logging   ii)   Auditing

            iii)   Regulatory compilance   iv)   All of the mentioned

    f)   The technology used to distribute service requests to resources is referred to as _____.

            i)   CND   ii)   CDN

            iii)   CWD   iv)   All of the mentioned

g) IAM group :

    i)   Is same as IAM users

    ii)   Can be used to specify permission for a collection of users

    iii)   Is truly an identity

    iv)   All of these

h) Which of the following is more sophisticated load balancer ?

    i)   Workload managers   ii)   Workspace managers

    iii)   Rackspace managers   iv)   None of these

i) Which of the following service provider provides the least amount of built in security.

    i)   SAAS   ii)   PAAS

    iii)   IAAS   iv)   All of the mentioned

j) Which of the following combination is possible in websphere ESB?

    i)   XML/JMS   ii)   SOAP/JMS

    iii)   SOAP/HTTP   iv)   Governance

k) What is the correct formula to calculate the cost of a cloud computing development

    i)   Cost CLOUD = $\sum$ (unit cost CLOUD/ Revenue + cost CLOUD)

    ii)   Cost CLOUD = $\sum$ (unit cost CLOUD/ Revenue – cost CLOUD)

    iii)   Cost CLOUD = $\sum$ (unit cost CLOUD$\times$ Revenue – cost CLOUD)

    iv)   None of the mentioned.

l) What are the features of docker

    i)   Easy Modeling   ii)   Version control

    iii)   Placement /Affinity   iv)   All of the mentioned

m) Docker was developed in _____ .

    i)   2012   ii)   2014

    iii)   2013   iv)   2015

n) How many different protocol types are required for message passing in SOA.

    i)   2   ii)   4

    iii)   1   iv)   3

o) What ports does Docker registry use ?

   i) Port 3000   ii) Port 5000

   iii) Port 8000   iv) None of the mentioned

p) An application that provides for transaction overflow in a reservation system is an example of _____.

   i) Cloud computing / bursting   ii) Cloud provisioning

   iii) Cloud servicing   iv) All of the mentioned

q) Which of the following software can be used to implement load balancing?

   i) Apache mod - balancer

   ii) Apache mod-proxy- balancer

   iii) F6's BigIP

   iv) All of the mentioned

r) Which of the following essential object in WSDL is used to support messag transfer?

   i) Bus   ii) Type

   iii) Binding   iv) None of the mentioned

s) Data stored in _____ domains doesn't require maintenance of a schema.

   i) "Simple DB"   ii) SQL server

   iii) Storage   iv) Hardware

t) Implementing ___ scanner is a tool that can scan an entire system for known vulnerabilities.

   i) Malware   ii) Vulnerability

   iii) Worm   iv) Virus

Q2) Describe in detail about cloud service Models & Deployment models with example's. **[10]**

OR

Describe in detail about cloud computing, cluster computing & Grid computing with suitable example. **[10]**

Q3) a) What is Hypervisor & explain its types with example. **[5]**

b) Write a short note on service oriented Architecture **[5]**

OR

a) Differentiate between SOAP and Restful webservices (REST) **[5]**

b) Write a short note on service level Agreement. **[5]**

Q4) a) Differentiate between Multi - core Architecture & Multi - cloud Environment. **[5]**

b) Write a short note on cloud computing Architecture . **[5]**

OR

a) What is parallel programming? **[5]**

b) Explain cloud Migration strategies & process. **[5]**

Q5) Suggest the cloud computing Architecture to be implemented by pharma Industry. **[10]**

OR

How to maintain a Disaster situation in cloud & Explain the Concept in details. **[10]**

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