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**FOURTH SEMESTER UNIVERSITY EXAMINATION, APRIL 2018**

**BASICS OF VIRTUALIZATION AND CLOUD TECHNOLOGY**

Time: 03 HOURS

Maximum Marks:70

**PART - A**

Answer any **NINE** of the following questions.

9×2=18

- a. What is the need of Virtualization?
- b. Exemplify the Hardware emulation.
- c. What are the benefits of VDI?
- d. Define Virtual Machine Cloning.
- e. What is ESXi Server?
- f. Compare VHD and VHDX.
- g. Show the variances of hybrid and community clouds.
- h. What are the best practices to be followed before migrating to the Cloud?
- i. What is the importance of platform as a service?
- j. Mention the differences between elasticity and scalability in cloud computing
- k. Define peak loading.
- l. Does cloud computing encourage the E-entrepreneurs? Justify.



**PART - B**

2. Answer any **SEVEN** of the following questions.

7×4=28

- a. Write a short note on Server and Client Virtualization.
- b. Compare Full and Para-virtualization with an example for each type.
- c. Explain Type 1 and Type 2 hypervisors in detail.
- d. Why does cloud engineer looks on the various components of virtual machine before creating it? Explain.
- e. Give a brief explanation on Evolution of Cloud Computing.
- f. List and explain the basic characteristics of cloud computing.
- g. Mention the advantages of virtual hard disk and explain their file types.
- h. Write a detail note on Cloud Vulnerabilities.

- i. Name the five-summarizing hardware abstraction and its management in virtualization.
- j. What do you mean by assessing the cloud? Explain the steps associated with assessing the cloud?

### PART - C

3×8=24

3. Answer any THREE of the following questions.

- a. Which VMware hypervisor to be installed to implement type 1 hypervisor. Explain all the steps.
- b. Compare hyper - V and VMware virtual network adapters. Which one will you choose in VMware workstation to restrict the VM from accessing the internet?
- c. Explain the Cloud Computing Reference Architecture in detail.
- d. Explain the following terms of Managing Virtualization
  - i. Foundational issues
  - ii. Provisioning software
- e. Discuss the best practices used in selection of Cloud Service Providers.



FOURTH SEMESTER UNIVERSITY EXAMINATION, APRIL 2018

ELEMENTS OF INSTALLATION AND CONFIGURATION OF SERVER

Time: 03 HOURS

Maximum Marks:70

PART - A

9×2=18

Answer any NINE of the following questions.

- a. Write down the advantages of running servers using Server Core.
- b. List out the modes of NIC teaming.
- c. List the types of provisioning available while creating virtual disks.
- d. Define disk level fault tolerance.
- e. Define Windows firewall.
- f. List out the ways to prevent inheritance.
- g. Mention the options available while setting priorities.
- h. List out the methods for addressing remote servers.
- i. Define Hyper-V server.
- j. List out the virtual disk formats?
- k. What are the performance metrics calculated by resource metering?
- l. Define Storage pool.



PART - B

Answer any SEVEN of the following questions.

7×4=28

- a. Describe the process of completing the post installation tasks in the following ways:
  - i. Server core
  - ii. Graphical User Interface
- b. Describe the process of deploying roles to Virtual Hard Disk (VHD)?
- c. List out the steps for creating a virtual disk.
- d. Explain the process of creating a simple volume.
- e. How will you provide effective access to a file or folder and what are the rules to be imposed for an effective access?
- f. Describe the process of NTFS authorization.

- g. Explain the process for configuring printer security.
- h. List out the steps for creating a printer pool.
- i. Describe the process for configuring pass through disks.
- j. Briefly explain about the Guest Integration Service.

### PART - C

3×8=24

3. Answer any THREE of the following questions.

- a. Explain in detail about the process of configuring NIC teaming.
- b. Illustrate the types of volume: simple, spanned, striped, mirrored and RAID5 & types of RAID: RAID0, RAID1, RAID01, RAID10, RAID2, RAID3, RAID4 and RAID5.
- c. Demonstrate the Windows printing flexibility with the advanced configuration options.
- d. Discuss in detail windows print architecture and printing.
- e. Describe the process of creating a virtual machine using Hyper-V manager.

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## FOURTH SEMESTER UNIVERSITY EXAMINATION, APRIL 2018

## COMMUNICATIVE ENGLISH

Time: 03 HOURS

Maximum Marks: 70

## SECTION-A

Answer any ONE of the following.

1×10=10

- a. Write a dialogue for the following situation.

Placing an Order on the Telephone for Millennium Desk 150 units.

Order placed by: Mr. Jane Tegal of Excellerator Co.

**Customer Service representative:** Arthur Mitchell of Millennium Co.ltd.

- b. Prepare a short speech on the given topic.

"How to achieve your dreams."



Write an appropriate response for any TWO of the following situations. 2×5=10

- a. Write steps to build relationship with customers.
- b. You are a customer service executive. And you are attending to a customer who is upset and irritated as he is charged more in the electricity bill. How do you clarify and ease the situation.
- c. What are the ways to strengthen your own empathy?
- d. You are a customer service executive at Mc Donald's. An irate customer comes to meet you complaining about a wrong order processed, delivered and claiming refund after the product being consumed. How would you handle the situation as a customer service executive?

## SECTION-B

Complete the following passage with appropriate words given below. 1×10=10

It is a well-established (1.....) that some people have "mathematical mind" while others do not. (2.....), the myth is (3.....) to mathematics; you never hear, for example, that someone with a historical mind. It is a general belief (4.....) us that if we do not learn something it is because we cannot. In fact mathematical ideas that are difficult at an early age are much easier to (5.....) a few years later, if we give them another try. Another handicap (followed/shown/ borne) by the math' anxious seems to be a distrust of their own (6.....). An immediate right formula or give up the problem is the real action on the part of a mathematician. Mathematicians trust their intuition in solving problems and they (7.....) able to function without it. Another (8.....) Distinction between the mathematics anxious and people who are not good at figures is a difference in attitude. So the persons with guessing and estimating (9.....) and having intuitive thinking should be encouraged and rewarded in the class. This helps in learning word problems, coping with equations and



confronting theorems and thereby overpowering the mythical (10.....) mathematics.

- myth/fable/legend
- Formidably/ Dauntingly/ Interestingly
- limited/restricted/perpetuated
- amongst/against/ with
- derive/comprehend/deduce
- Sensibility/ intuition/Debility
- Cannot be/ would not be/should not be
- obvious/tangible/glaring
- Perception/ attitude/outlook
- lack/fright/shock

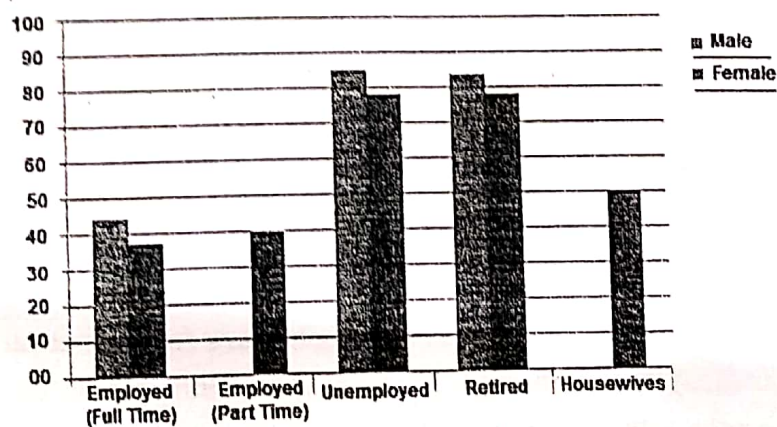
### SECTION-C

4. Summarize the given information by selecting and reporting the main points and comparisons.

Write at least 150 words.

1×5=5

Leisure time in a typical week in hour- by gender and employment status, 2016-2017.



5. Make notes on the following passage and suggest a suitable title.

1×10=10

Every coin has two sides. There are both positives and negatives of one single given notion. The media, known as the fourth pillar of democracy, has a huge impact on the society. The effects are of course, positive as well as negative. It is up to the people to decide which effect they want to bask in. Media is such a powerful tool that it literally governs the direction of our society today. It is the propeller as well as the direction provider of the society. Opinions can change overnight and celebrities can become infamous with just one wave by the media. Read how media affects the society today by reading its effects.

Information on the latest happenings reaches people in just a matter of minutes. The vision of media reaches even the remotest corners of the country and makes sure that everyone is aware of what is going on in the country. The easy and swift availability of any given information makes media one of the most reliable sources for forming public opinion. It bridges the gap between the leaders and the masses by becoming their channel of communication. It brings into open the innumerable achievements that are going on in the country. Media gives ordinary people the power to reach out to the society as a whole. It can make heroes out of ordinary men. The media acts as a deterrent on corrupt practices and keeps a check on the working of the government. Media has significantly promoted social causes like literacy, health management, anti-dowry practices, discouraging female feticide, AIDS awareness, etc. Media can adversely affect the thinking capability of individuals and instil negative or destructive thinking patterns in the society as a whole. As already said before, media has the power to form and alter opinions. This means media can portray an ordinary thing so negatively that it may force people to think or act in quite the opposite way. Media glorifies violence and contains graphic descriptions or images. When viewed by the vulnerable portion of the society, i.e., the children, it can have grave effects on their upcoming and thinking patterns.

The media can sometimes go out of the way in advertising or glorifying certain issues. Usually, a bad or detrimental message is packaged in a glorious way and is made accessible to the public. Movies that depict filthy rich thieves who don't bat an eyelid before killing someone or extorting someone and the getting away with it, sure give entertainment to people. At the same time, it encourages them to act in a way that promises adventure and thrill in life. This way, media glorifies the bad aspects of people and encourages them to act in forbidden ways.



Answer any ONE of the following questions.

1×10=10

- a. Analyse the following advertisement and elaborate it in 200 words.



- b. Develop a Call Center mock script for the following:

Situation: A customer is calling about her account balance.

Customer's Profile: Female, Age is 25-30yrs old, calm.

Goal: Answer customers inquiry in a timely manner



### SECTION-D

As a supplier, write an email to Mr. Chopra the Manager of M/S Big wheel Manufacturing Company, intimating the payment that is due for the products delivered to them some time ago. Sign the email as you would like to.

1×5=5

1×10=10

Answer any one of the following.

a. Write an essay and express your opinions.

"Celebrate the role of sports in your life."

b. Draft a letter of application and prepare a resume.

CRISIL has advertised in The Business Standard and they require experienced professionals in Taxation for the position of Senior Finance manager. The candidate should be a CA & is required to possess good analytical skills.



FOURTH SEMESTER UNIVERSITY EXAMINATION, APRIL 2018

ANDROID OPERATING SYSTEM

Time: 03 HOURS

Maximum Marks:70

PART – A

Answer any NINE of the following questions.

9×2=18

- a. What is Android?
- b. Explain the starting point of execution of an Android app.
- c. What is Activity?
- d. Define Unit Testing.
- e. What is Intent?
- f. Define app store.
- g. What is DDMS?
- h. Define Log.d() method.
- i. What is EditText?
- j. Define CRUD in SQLite.
- k. Describe Layout.xml file in an Android project.
- l. What is Bluetooth?



PART – B

Answer any SEVEN of the following questions.

7×4=28

- a. What is DVM? List its importance.
- b. Explain View and View Group.
- c. What is Values folder? Write example code for string.xml.
- d. Explain different notifications in Android.
- e. Describe R.java file and its importance in Android application development.
- f. Describe different storage options in Android.
- g. What is sensor? Describe accelerometer.
- h. What is tablet design? List the steps to develop it.
- i. Explain Content Provider and its benefits.
- j. Explain monetize techniques for Android application.

PART – C

3. Answer any THREE of the following questions.

3×8=24

- a. Explain Activity Cycle with example.
- b. List different layouts available in android and explain each with code example.
- c. What is Location Service? Write code snippet to get current location.
- d. What is Action bar and Menu? Write Code snippet to display menu.
- e. List different data storage options in Android and their advantages.