University of Liberal Arts Bangladesh (ULAB)



FINAL EXAMINATION Spring 2020

Course No:	CSE 101 (Sec: 6)
Course Title:	Introduction to Computer Studies

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Date of examination:	22.04.2020

Obtained	19
Total	25

Signature of the Examiner

TASK 1: -

A Computers are used actively in education and bisiness to improve the quality and learning outcomes.

A computer is important to use in business to automake the manufacturing and, distribution process. With application of computers, business organization, can utilize the application of different types of software, computer is used in business for: • Business communication

- · Payroll system
- · sales analysis, etc.

One of the most apimportant applications in education today involves the ongoing use of educational software and programs that faciliate perp personalized online in struction for students. The computer provides a tool in the education system known as CBE (Computer Based Education). System known as CBE (Computer Based Education). It involves control, delivery, and evaluation of learning Example: VLAB Moodle.

TASK 2:-

The abacus is a calculating tool used to teach antimotic to children; it is also known as counting frame. Abacus is made up of wooden frame which consists of brads or disks that can be mared up and down on a series of strings. The abasus was invented in Ethina, around 1300 BC. It was popularized during the Ming Dynash (1368 AD to 1644AD), the standard abacus can be used to perform addition, substraction, division and multiplication; the abacus can also be used to extend square wolk and cubic rook.

iness

The Altair 8800 had an huge impact on people and computers. The Altair gave ideas to make better and advance computers. It was nothing like the the computers today; was able to use topo for storage and computer users were able to flip switches on the panels, withing their own payrons in machine language. Altair 8800 was a micro computer by Ed foberts, the owner and president of MITS, who designed and built it.

TASK 3:-

(FCAB) = (???) =

E B A B

1110 1011 1010 1011

(EBAB) =
$$(001 \frac{110}{2} \frac{101}{2} \frac{$$

TASK 4:-

a) (1001)2 x (1011)2

1000 ×× 1001 ××× 1001

6) (11000)2 + (101)2

(-) 101 (-) 101

Reminder: 100

Ans: 1100011

TASKS:-

Ergonomics is the the process of designing or arranging workplaces, products and systems so that they fit the people who use from. Computer organize are important because working at a computer for polonged period of time can actually be harmful to averall health. It can result from be bernful to averall am health and in result can happen;

1) Blumed vision Head ada .

2) carpul hind syndrone

Nock and back strain

4) Postine

To avoid all the se problemy we must be careful and we can prevent for them by adjusting the brightness of computer, totalking regular walk break and using a good chair that supports your back,

A perrepetitive straine Injury (\$50) is a gradual build up of durage to muscles, tendens and greaves how repetitive motions. \$51s are common and may be caused by many different types of activities including using a computer mouse, by ping, grasping, etc. If you sit at a desk, pollow coadvice from experts: sit up straight and don't slouch. Tood posture is the key to avoiding in necessary etress on you muscles. And wasing these way be a steps of it may be use full to prevent RSI.

TASK 6:-

a) In the field of user Interfaces, an executive environment refers to a virtual reality of some other importance on vironment which completely encompasses he uses. For example: by placing the virus in a non made up on the ly of rear projection screens.

reality directly to the user do not qualify they are called on do entire anvisonment. frample: using a hard-nounted display.

TI-13 your back, 3179

- b) software as a service (saas) is a software distribution model in which a third-party provider hosts applications and make from areicable to customers over the internet.

 Boxample: Bis comerce, Coogle Apples etc.
- Push technology refers to a client hust requests information from a server. It de livers content to users automatically at set intends. Pasample: A web browser requests web pages from web servers.

Pull technology refers to a servor had initiates information updats to a client Centering a UPI in a web bowser pogo to a cortain we besite.

Example: An email server atransmits an email to an email elient.

Withal feality (VF) is the use of computer technology to create astimulated environment. Example: Samp sam sung chear, VF, pk.