### BOAL ASSEGNMENT OI BELAL PHMED KHAN; 20K-0183 Sec. B

# QUESTION OF

## Role OF Os:

For the programs system searches
for the programs tilename in the
current disk directory, if not
found then it searches in a list of
predefined alirectories called "paths". II
If the file is found the Os loads
the basic information about the file
in the normany, and loads the program
into the memory, if the file is not
found then an error mesage is shown.

### ROLE OF COMPILER:

Systems memory the compiler converts in the source coole bile into an object in the though the help of assembler 4 After which the process of "Linking" is performed.

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HELD HAVE SAND, SECOND

Linking: en The procedure of copying the required procedures from the library biles.

TOPES ABSECTION SALES

is produced and then we into.

the Os though a londer.

#### QUESTZON 02

Is In real address mode, 16 bit registers indicate hase address of the assigned menory areas named []

Les In Prolicted node, segrent régisters hold pointers to segrent descriptor fables.

#### QUEST 20N 03

a) Segment: ABOE Offiset: 5DS9

Read = BOEGGL Address

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Signent, 8FE3h Offiset = ?

Real Adobress A835FL

Real adolxess. 10 (segment) +08 liset

A835F : 1050+ 10(8FE3)+ 21
A835F . 8FE30+ 2

1 0885F - 8FE30

1 0885F - 8FE30

Segment, x Obliset: 5EGD h Real address: FF41Dh

Read Adheus: 10 (Segment) + Offset FF41D: 10x + 5E6D 10x: \$FF41D - 5E6D 10x2 F95B0 (Segment: x2F95B) d)

Segrent:?
Flage Offset:?

Real address: 15 B6D L

let fobbset: 56ED

R.A, 10\* Segenent + 5GED 10\* segnent, A5B6D-56ED 10\* segment, A0480 Segment, A048

x — x — x

#### RUESTZON 04

Because Every java Source program must be compiled into Java byterocles (in the form of a class) before it can execute. The same program can run on my computer ytem that has Java runtime software installed

on whime by a program known as a Java Virhal Machine (Jum)
Jum is platform dependent they cannot non on every system

#### QUESTZON 05

### Similarities:

Pear address made	Vishal 8086 made
	4 Con also create
1 mB memory	virtual 18066 machines 1
	menony.
4 MS-DOS mas in	4 MS-DOS on also
real address mode	gose machine

Differences:

- Pleteres:	
Roaf Address Made	Uirhal SOSE made.
4 Con access upto	6 Con acces upto ?
IMB Meron	4GB renory .
la Can win windows 198,	4 Can run cumolous 2000;
ms-Dos	wholens XP. 7
4) Con course Os to	la Sta sigle
crash	vishal machine chailes

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## QUESTION 06

Control Plags: These flys determine the manner in which the instructions are carried out

Status Flags: The plags which charge the values on the basis of result of operations are called status flags

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