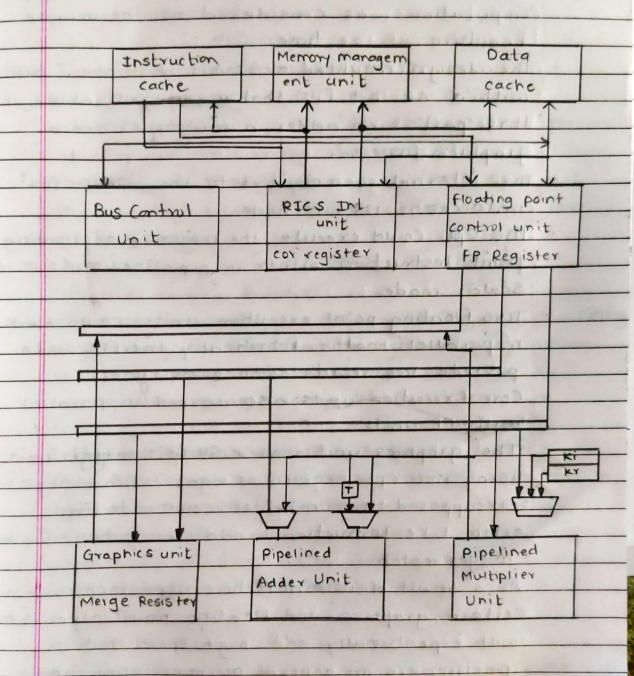




O.I. Explain 18060 with a block diagram





- It is very long instruction word architecture and
the powerful support to high-speed floating point
computation was considered as the unique
feauture at the time.

The design mounted a 32 bit ALU core " along with a 64-bit FPU that was itself inbuit in three parts: an adder, a multiplier and a graphics processor.

- The internal memory bus to the cache for instances is 128 bits wide.

- The CPU could execute the majority of floating point metruction either in pipelined mode or in Scalar mode

mparallel thatis therefically the could work
provide two results with every cycle.

- Core Execution units also worked in parallel with FP units.

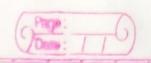
The graphics unit was a 64 unit integer unit
using the cpu register as eight 128 bit register

It supposed to number of commands for

integer match

As a result of its architecture , the 1860 caud no

certain graphics and floating point algorithm
with expentionally and high speed but its
performance in general purpose applications
suffered and it was diff. to program efficientally



platform explain need of NVIDIA work station in gaming.

Ans: Important Feature of NVIDIA

NVIDIA allows to record and share live streaming of game on various social media sites like YouTube etc. The shadow play feature allows the user to broadcast without bottenecking the performance.

2. Game ready drivers

NVIDIA continously works on performance boosting

but fixing etc for smoother gaming experience

NVIDIA lets the user optimize gameplay by

using their game ready drivers.

The ANSEL photo mode of NVIDIA geforce allows to capture high resolution picture of games. It also allows user to directly share the photographs on various social sites. User have diff option like super resolution, 360 Stereo photographs etc.

NVIDIA freestyle game features filters allows the user to use post processing filters on game while playing. It changes the look and colours by saturation



Ans:

or by post processing filters like HDR filter free style is integrated at the driver level for easy compatibility with supported game

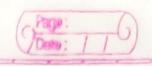
Need: NVIDIA has released testa, Quadro and maximus workstations which are based on GPU I. Testa Workstation built by big companies like Lenovo, DELL etc. It primarily focuses on Simulators and large scale calculations and high end image generation for application in profesional 4 scientific field. It uses CVDA Parallel computing architecture which is powered by 2688 parallel processing cores for GPU which makes them 250 times fuster than normal PC's

ii) Quadro Workstation used in running (AD softwares, machine learning and other scientific computation. The graphic card used is identical to geforce cards but it is differs in FIC memory and floating pt precision. It supports 2560 mb of type 320 bit GDDPS. It has 352 CUDA cores which makes it excellent computation.

Series which can do work on applied from Adobe
Autodesk, mathcoor etc. CPU takes are designed to

Testa processor and it frees NULDIA Quadro to
work for graphic function only Thus, enabling
high level performance. Dell Hp. lenovo are offering

NUTDIA max. workstation enabled



Q.3. Write about Open source tool

Ans: Blender:

Blender is the free and open source 30 creation suite. It supports the entity of the 3D pipeline. modeling, rigging, animation, simulation redering compositing and motion tracking even video editing and game creation, Advanced users employ blenders API for python scripting to customize the application and conte specialized tools often these are included in blender future release. Blender is over suited to individuals and small studious who benefits from its unified pipline and response development process.

Features -:

> Modelling !

It is the basics of creating game & environment and animation characters 4 probes model He can also perform curving smothing and many other effective surface related edits to blend our model

i) Animation:

It is the process of adding motions to characters with the help of keys non-linear animations etc character animation editor is also available where we can instantly see the rendered animation



Rendering is a much needed work in animation handling softwares, He also need good fipu and cpu to handle and get good renders.

Other efectures of Blender 3D molude video-editing Game creation scripting, VFX, simulation etc.