

4. Explain the consequences of Facade pattern?

An 1. It shields clients from subsystem components

- 2. It promotes weak coupling between the sub--syxtem and its clients.
- 3. It doesn't prevent applications from using subsystem.

sketch the structure of proxy pattern?

Real subject

Pequest ()

Pequest ()

Pequest ()

10 marks

AN

1. Explain in Detail about Decorator pattern?

Am Intent: Attach additional responsibilities to an dynamically.

Also known as: Wrappen

motivation:

\* Sometimes we want to add responsibilities to individual objects not to an entire class A. Graphical use toolleit.

Ep: should let you add properties of borders or behaviour like scrolling to any use Interface.

PREDAIMINT object at may optionally perform additional opera-- How before and after forwarding the request. consequences; 1. Intenface conformance 2. beeping component clauses light weight. 3. changing the shing of an object were changing its guts. Sample code: class component public void draw() 119 mplement the code dans concrete component Extends component public void drawe; 11 smplement the code class decorator Extends component public void drawborder() public void serall borres dans concrete decorator Extends decorator 1/9 mglement the cade

known was:

1. Any Text view pocument

2. Interfacing

related patterns;

1. composite

2. Adoptem

2. Discuss in detail about Flyweight pattern?

And Intent: - use sharing to support large no of gained objects officiently.

Motivation:

& some applications could benefit from using object through out their design.

\* A Flyweight contexts simultaneously showed object that can be mapliple. The Flyweight if an endependent object in each context.

Applicability:

\* An Application uses a large no of objects

\* most object state can be made extrinsic.

\* Many groups of objects may be replaced by relatively few shared objects.

participants: Hyweight concrete Hyweight (character) unchaned concrete Plyweight (Row, Flyweight Factor dient

