El Define object oriented programming (OOP). Pescrib

Defination: Object oriented programming (OOP)
is a programming approach where software
is designed around objects. Each object has
attributes (data) and methods/behaviores.

The form pillars of OOP-

- i) Encapsulation: Warrepping data or variable and methods together inside a single unit.
- ii) Abstraction: Showing only essential details and hiding the complex implementation.
- 111) Inhervitance: A mechanism where one class acquires the properties and methods of another class.
- Iv) polymorphism: A Ability of on obJee. to behave in many forms.

# Deservibe Compilation and Execution of Java progressmeinz with a diagressm.

Answers-

Hape are the steps of compilation and Execution of Jana program.

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Oode: A source code in written in Jana Alle. 1. Writing

2. Compilation: Javac compilation translate. Java indo bytheode (. choss-file).

3. Class Loader: Loads closs files into IVM Memory. 4. Bytecode venifier: checks seemity & ponnectness,

5. INM Execution Engine: Anderpress by treade OR USES ITT to nonvert into machine Code. speruting on the B. program output: Runs system.

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