

### Ans: to the Q.No. 01

The following component diagram based on the following words,

- Consider the following four components named facilities, Student, Seminar, Schedule where each of have two provided interfaces one named "Data Access" for all four components and "Facilities", "Student", "Seminar", "Schedule" are test of the provided interfaces for all four components respectively.
- A dependency relationship maps the associated "Seminar management" VI component interface to the provided interfaces "Facilities", "Student", "Data access", "Data access" individually, which are indicated by Facilities, Student, Seminar, Schedule respectively.
- A dependency relationship maps the associated "Student administration" VI component interface to the provided interface "Seminar" indicated by "Seminar".

- A dependency relationship maps the associated "Seminar" component interface to the "Schedule" component.
- Consider a infrastructure component named "Security" which have two provided interfaces named "Encryption" and "Access control".
- Assembly connector link the provided interface "Access control" supplied by "Security" to the four required interfaces specified by "Facilities", "Student", "Seminar" and "Schedule".
- Assembly connector link the provided interface "Persistence" supplied by infrastructure component named "Persistence" to the four required interfaces specified by "Facilities", "Student", "Seminar" and "Schedule".
- A dependency relationship maps the associated "Persistence" requires interface to the provided interface "JDBC" indicated by a database component named "University DB".

## Ans to the Q.No-02



