G. Voushnour 18KQ1A0521 DOAD . Assignment No. Unit No. White an essay of object model? Object model: The elements of the object oriented technology Known as the object model. The diget model encompasses the painciples quabstraction encapsulation, modularity, hierarchy, typing, Concarring and persistency Evaluation of the object model: * The shift in focus from programming in the small to programing in the large * The encolution of high order programming languages * Development of more expressive programmin languages advances the decomposition abstraction and hierarchy Excelution of the object model: In structured design model build complex system using algorithm as their fundamental building block. 1 An object briented programming languages, class & Object as basic building block. * we would add to this list three more contribution to the foundation of defect model * Advances in database models * Research in artificial entelligence & Advances en Philosophy and Cognitive Science Benefits of the object model:-Preparing Today's Students to define Tomorrow's World....

Object model enhoduces sever as new dements which are advantageous over traditional method q structured programming * Use of digut model encourages the sieuse of Software and entire designs, which results in the create q reusable application frameworks (3) Explain about the cudation of object model? Eudlution of object model: * The shift on focus from programming in the Small to large programing. * The evolution of high-order programing languages. * New industrial strength Software system are larger and more complex than their predecessors. * Development of more expensive programming languages advances the decomposition, abstraction, * wegness has classified some of more popular programming longuages en generations according to the language features The generation of programming languages: 1. First Generation languages (1954-1958) · used for specific and Engineering expressions · Generally Consists of Mathematical empressions 2. Second generation languages (1959-1961) . Emphasized on agonithm abstruction · FORTAN II - travering features of subocontines Separate compilation ALGOL 60 - travising features of data

complen than those developed Endlvidually on by user developers * Time and space are considered to be general

complexities * Additionally, containing integrity of hundreds of

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thousands of records while allowing Conavount updates and queries on managing command and Control of real-world entities like ain traffic are also examples of complex systems. * For example, in smoot goods the physical layer is the power network together withits physical Components * while cybor-layer comparises the sensons, the local and distributed controllers as well as the outeral Communication and compilation engrastructure * The interaction between system components of complex systems is often formalised by networks On layers of networks * The network structure can be relatively fixed. but also may involve on time, depending on external (or) internal enputs (a) events 4, kihal is an object? What are the foundation? of object model? object: - A object is a seal-world element in an Object oriented envisionment that may have a physical on conceptual existence. xobjects can be modelled acording to the needs of the application Foundations of the object model: An object is a deal-world element in an object osciented. In structured design method, build complex system using algorithm as their

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OOA (object assented analysis);
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analysis and orgen
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from the perspetive of classer and objects as
related to problem domain.
and (object pricated design):
aring requirement phase, prog
understanding of the application domain and build
an direct model
& don't oriented design is a memod of design
an massing the process of organs country
decomposition and anotation for agreement
logical and physical as well as Hatic.
oop (object mented programming)
During system emplementation phase. It is a method
a formentation in which programs are
cooperate collection of defects, each of which
supresents on entance of some class and whose
dasses are all members of ahrevarchy of classes
united en Enhoutance relationships