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DBMS - Assymmant (200303102033) x Ans the Magaire (A) Emily THEMPREDE 9. A) Record 3. b) Program 4 UBOID OF Them 5. c) foreign key 6. () Candidate 7. () Update 19 set city - Kenput Where SNO = 61 8 A) Dyal; an oval with an underlined cittibute 9) B) composition altribute. 10) D) Home of the montioned x fell in the blanks (3) Relations 1) constraints @Relevential integrity e) tuple 5) Mapping cardinality.

Date_ | | Page 8 6) Dorlabse (9) Metadoite 3) Deta isolation 10) Phylical doctor 8) Data ? * Ang the Que. Q-1 Octime E-R Data moda! It is based on the view of ships among them. While expressing teal - World scenario into the destablise model, the ER model creates entity set belations sets general attributes and constraints - ER moder mainly fouses on Entities and their attibutes and Relationships, among entities. - It uses various types of esymbols to represent object of database Sol": It is a specific choice of a minimal get of attibutes that uniquely a tuple in a relation

Date | | | Page 2 act Distance was with and doctor I Done Booking see drawn dear out have a principle and of the one 10 knows oug more & the are min coming is warmen as more pe Endity. 0-4 Interest 19 generalizations cheating group from Bevero's original How of It descriptions the commer sections of moultiple emitted to medie a The like union two or more issue Scenario level eratity sots to make higher he ER entity set: ationelis Q= What is constraint! To constraints are the tiles enforced on the duta columns of a faite There cire used to limit the ture of and dota that can go into a take. Constraints are normally divided in to two types: a) Disjoint Constraints b) Participation Conditions of Q.6. What is mapping midinality! It defines numbers of times participate in a relationship set iou

Date_ J____ Page 4 Q.7 What is dodg abstraction? John Dotabage system are made of complex data structures.
To large the user interaction with database, the developers hide internal implevent desila from users. This process of biding itrelevent details from uses is called data abstraction. Q. 5. Desine Naive Users (End Users) - V Laso Unsophisticated Usets who have Zero knowledge of data base son system End light interate to detabase supplistingted software or tools. O-9 Define GQL 501 Stands for Structured Query 10mgyage BOL lets you access and maniputate databases, Q-10 What is information? I liken data is processed organized structured of presented in a given montent so to make it iseful it is called information.

x long Questions: aele Of Explain different types of attribut Ltes. P a) simple Attribute and composite tion attibute. The continue 3) Simple Attibute: It cannot be divided further in more gubparts. It is like copyigida undivided crimic value. Example: year Enno CPI 3 Composite Attribute: rted It can be divided further in more subparts. It is an off tibutes composed of many other attributes. Example: Name (fitst name Quety middle mame (ast name) (Name mariputate (First dame) (middle name) (19st name b) Single valued and multi-valued nted attributes. > Single - Valued Attribute: The mampe organis it has Single value only consimple. Enno Binghaute.

Page 6 Strutt volued Athibute: Is bor multiple/more about one values. Example: Phone me [Petson may have multiple phone numbers. () Stored attribute and Delivered attioutes: - Stoked attribute: In this cuttibute value needs to be stored Idefined manually Example: Birthdate . Height 3) Derived Attribute: Derived attribute value can be calalated or derived from other ottibudes. Frample: Age (can be defived From cuppent data and bittle data d) Complex Attribute: Attribute that are derived by nesting the composite and multipelued attributes are called complex attributes. Chino, city, state) composite Complex My composite Attribute Attribute 9/9/

Date | | E) Key puribule: OHLESBURG MAI WHEN LENGUELY identifies couch louding to the entiry iser is called key sallibule. Abt example, Rolling, Will be Unique tot each atthemt. It is dended by an own was underlying thes. peda Example - Rolling F) Descriptive athibutes: It any relationship has a all tibute like exity then its known ous descriptive detributes. 0-2 Explain Extended E-R features:

Generalization: It determines the common features of multiple entities to cheate a new entity. It is a process of cheating group from several entitles. It follows a bottom, up approach. Specialization: It divides entity to make multiple duat inherits, some feature of spliting entity.

Date_ |_ ___ Page 8 It is a process of crasing subgrocips within entities. the following or Hop - down cipphocup Aggregation: Agaregation is kind of abstraction Which treats telationships as entities It is process of cheating single entity by combining components and polationships between two entity of FR model. Q3 Explain E-12 diagram of Hospital
management system.
Hospid (Hosp-id (PName) (Potient id) (HOS, Nuno Patters Admitted Hospital (PAddless Rejordid has Salary Medical Ferota Foroblem Jude of - evanimondian). (- Qualification (DOC-id

19 Explain advantages of DBMS Over The management system. D of Data Redundancy and in Anodeda considercy. b) Dola sherting: Tile system does not allow Houshing sharing of data or sharing is too complex. Libere in DBMs, data can be ente shated easily due to compliand gyste c) Dota in consist Engy Data tedundamey locals to offol data inconsistency, lets take the d) Orta Totosity: There may be cases When some constraints need to be applied on the data before inserting it is database. - The file gystem close not phovide any procedure to check these constigists. cutomically Q5 explain the Role of DBA Schema definition: (nocial) - DSA DBA defines the sogio

Date | ____ Page 10 se schema of the dotabase - storage structione and access method defitition. DBA decides how the data is to be reptasented in the database how to access it. - Defining security and integrity constraints. DBA decides on various socutity and integrity constraints. - Assisting application programmer
DBA proides assistance to application programmers to develop supplication pt catama. - Monitoring performance: DBA that better performance is maintained by making a change in the plugsical or logical schema it required - Backup and terduets