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(comp [†] IT)/Couse: DBMS/ Synoptic/ MM30 () 14/3/2018:	
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1 Date Redundency, Inconsistency 20 2 Date Isolehon	
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QNO2: Differentiate following O, B & 3 } Annhs each Total 6	
Qvo3: a) find the names and ages of Sailors with rating above 7	
SQL: Sclect sname, age from sailors where rating > 7	
RA: TTsname, age (6 vating > 7 (Sailors))	

Q.3:b) Find the sailors Id, hame, reservehon day for each reservehon
SQL: Select sid, shame, day from sailors, Reserves where (Sailors, sid = Reserves sid)
RA: TT sid, sname, day (6 sailors sid (Sailors X Reserves)) = Reserves. sid Vising Natural Toin Sid, sname, day (Sailors M Reserves) Toin (Sailors M Reserves)
Q3c) Give the name of Sailors who have reserved boat 103
SOL Select Shame from Seilors, Reserves
and reserves bid = 103
RA TIsname (6 sailorisid 1 reserves big (sailors x reserves) = reserves sid = 103
RA Moneme (6 bid=103 (Sailors A Reserves))

Find the name of Sailors who here reserved red boot Select sneme from Sailors S Reserves R Boots B where Sisid = Risid AND R. bid = B. bid AND B. color = "red" RA TISARME (6s. sid = R. sid A (Sailors S x Reserver R x Boats B)) Ribid = Bobid A B. Wolor = "red" e> Find the name of Sailors whos age is greater than 20 Select Shame SQL from sailors When age 720 TTsheme (6 age) 20 (Sailors)) Note D: SQL = I Mark each 2 hung RACie odehmal Algebra) = 1 Mark each gung (2) If gung is completely correct then I Mark will be (3) Keepling alias is ophoned (b) Natural join, incase used-ingung (d) is recepted (5) Natural Join is Associative (Brackets accepted)

Q4 Relational Query a) {T |] s (s & Sailors A S. rating > 7) A T. name, Tiname - Sinome 1 Tige = Singe? a) {T | FSE Sailors (S. rating > 7 1 Tiname = Siname 1 Trage = siage) b) Spl J SE Sailors J RE Reserves (S. sid = R. sid > P. shame = S. shame > P. bid = R. bid 1 P.day = R.day) Quiny G = 2 Marks } for completely Correct quiny
Quy G = 2 Marks } Limitehm - (say Assegration) . I Make Q5 Am Overcoming dewback - 1 Mark Justificehm -> 2 M Cardinelity Rehordetimed 2 marks Examples 1 Mark each