

**B.C.A. (2010 COURSE SEM- III : SUMMER - 2018**

**SUBJECT: DATABASE MANAGEMENT WITH ORACLE**

Day: **Monday**  
Date: **30/04/2018**

**S-2018-1729**

Time: **02.00 PM TO 05.00 PM**  
Max, Marks: 70

**N.B.;**

- 1) **Q. No. 1 is COMPULSORY.**
- 2) Attempt **ANY FOUR** questions from **Q. No. 2 to Q. No. 7.**
- 3) Figures to the right indicate **FULL** marks.

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- Q.1** What is SQL? Explain different components of SQL. (14)
- Q.2** a) Explain any five aggregate functions with example. (07)  
b) Explain CHECK constraint with example. (07)
- Q.3** a) Explain the different data types used in PL/SQL. (07)  
b) Differentiate between WHERE and HAVING clause. (07)
- Q.4** Consider following tables. (14)  
employee (eno\* , ename, hiredate)  
Parts (pno\* , pname, qtyonhand, price, orderlevel)  
Customers (cno\* , cname, address, phone)  
Orders (ono\* , cno, eno, receivedate, shippeddate)  
Order\_details (ono, pno, qty)  
Solve the queries:
- a) Display all the products whose price is less than Rs. 1200/- (02)
  - b) Display pno whose order received on '12 – May – 1998'. (03)
  - c) Display all the details of customers whose name begin with the letter "A". (03)
  - d) Display the details of customer whose order is shipped on '19-May-1998'. (03)
  - e) Display ename & ono in descending order of receive date. (03)
- Q.5** a) Explain GRANT command with all options. (07)  
b) Explain DEFAULT constraint with example. (07)
- Q.6** a) Write a PL / SQL block to check whether entered number is ODD or EVEN. (07)  
b) Write a PL / SQL block to check whether entered string is palindrome or not. (07)
- Q.7** Write a notes on **any TWO** of the following: (14)  
a) Date Functions  
b) Implicit cursor attributes  
c) Sequences

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