

HCL Technologies Paper 2

Q) Piggy backing is a technique for

- a) Flow control b) sequence c) Acknowledgement d) retransmission

ans: c

Q) The layer in the OST model handles terminal emulation

- a) session b) application c) presentation d) transport

ans: b application

Q) In signed magnitude notation what is the minimum value that can be represented with 8 bits

- a) -128 b) -255 c) -127 d) 0

Q) There is an employer table with key fields as employer no. data in every n'th row are needed for a simple following queries

will get required results.

a) select A employe no. from employe A, where exists from employe B where A employe no. \geq B employe having $(\text{count}(\ast) \bmod n) = 0$

b) select employe no. from employe A, employe B where

A employe no. \geq B employ no. grouply employe no. having $(\text{count}(\ast) \bmod n) = 0$

c) both a& b

d) none of the above

Q) Type duplicates of a row in a table customer with non uniform key field customer no. you can see

a) delete from customer where customer no. exists

(select distinct customer no. from customer having count)

b) delete customer a where customer no. in

b rowid

c) delete customer a where customer no. in

(select customer no. from customer a, customer b)

d) none of the above

Q) long int size

a) 4 bytes b) 2 bytes c) compiler dependent d) 8 bytes

ans: compiler dependent

Q) $x=2, y=6, z=6$

$x=y==z;$

`printf("%d", x) ?`

Q} what does the hexanumber E78 in radix 7.

(a) 12455 (b) 14153 (c) 14256 (d) 13541 (e) 131112

ans: (d)

Q) Q is not equal to zero and $k = (Q \times n - s)/2$ find n?

(a) $(2 \times k + s)/Q$ (b) $(2 \times s \times k)/Q$ (c) $(2 \times k - s)/Q$

(d) $(2 \times k + s \times Q)/Q$ (e) $(k + s)/Q$

(from GRE book page no:411)

data:

A causes B or C, but not both

F occurs only if B occurs

D occurs if B or C occurs

E occurs only if C occurs

J occurs only if E or F occurs

D causes G,H or both

H occurs if E occurs

G occurs if F occurs

NOTE: check following answers.

Q). If A occurs which of the following must occur

I. F & G

II. E and H

III. D

(a) I only (b) II only (c) III only (d) I,II, & III

(e) I & II (or) II & III but not both

ans: (e)

Q). If B occurs which must occur

(a) D (b) D and G (c) G and H (d) F and G (e) J

ans: (a)

Q). If J occurs which must have occurred

(a) E (b) either B or C (c) both E & F (d) B (e) both B & C

ans: (b)

Q). which may occur as a result of cause not mentioned

(1) D (2) A (3) F

(a) 1 only (b) 2 only (c) 1 & 2 (d) 2 & 3 (e) 1,2,3

ans: (c)

Q). E occurs which one cannot occur

(a) A (b) F (c) D (d) C (e) J

ans: (b)