

[SQL Sample Test]

01. Suppose that DBA wants to solve a fragmentation problem on index pages. Which one of the following accomplishes the task?

- (1) ALTER INDEX ~ REBUILD ~
- (2) ALTER INDEX ~ RENAME ~
- (3) DROP INDEX ~
- (4) CREATE INDEX ~

02. Which one of the followings must be used together with REFERENCING clause?

- (1) FOR EACH ROW
- (2) OR EACH ROW
- (3) OR EACH STATEMENT
- (4) REFERENCING OLD ROW

03. Suppose that employees table is created as follows. Which one of the following statements results in an error?

```
iSQL> CREATE TABLE employees (  
2 emp_id NUMBER PRIMARY KEY,  
3 emp_name VARCHAR(20) NOT NULL,  
4 job CHAR(10) DEFAULT 'SALES',  
5 join_date CHAR(10));
```

- (1) INSERT INTO employees VALUES (1, 'KIM', 'plan', '20010302');
- (2) INSERT INTO employees(emp_id, emp_name, join_date) VALUES (1, 'KIM', '20010302');
- (3) INSERT INTO employees(emp_id, join_date) VALUES (1, '1998-05-11') ;
- (4) INSERT INTO employees(emp_id, emp_name, job, join_date) VALUES (1, 'KIM', default, '20010302');

04. Which one of the following correctly accomplishes the task below?

Increase the salary of all employees by 7%.

- (1) iSQL> UPDATE employee
2 SET salary = salary + 0.07;
- (2) iSQL> UPDATE employee
2 SET salary = salary * (1 + 1.07);
- (3) iSQL> UPDATE employee
2 SET salary = salary * (1 + 0.07);
- (4) iSQL> UPDATE employee
2 SET salary = salary * (1 + (1 + 0.07));

05. How many rows will be displayed as a result of execution of the following query?

```
SELECT *  
FROM ( SELECT 1 FROM DUAL  
UNION ALL  
SELECT 1 FROM DUAL  
UNION ALL  
SELECT 1 FROM DUAL ),  
( SELECT 1 FROM DUAL  
UNION  
SELECT 1 FROM DUAL);
```

- (1) 2 rows
- (2) 3 rows
- (3) 6 rows
- (4) 12 rows

06. How is a comment delimited in only one SQL statement In ALTIBASE HDB?

- (1) -- comment --
- (2) /- comment -/
- (3) - comment -
- (4) /+ comment +/

07. Which of the following internal functions is not a conversion function pertaining to characters?

- (1) CONCAT
- (2) SENDMSG
- (3) INITCAP
- (4) TO_CHAR

08. What would be returned by the following query?

```
iSQL> SELECT INITCAP('Hybrid DBMS, ALTIBASE') FROM dual;
```

- (1) Hybrid DBMS, ALTIBASE
- (2) HYBRID DBMS, ALTIBASE
- (3) Hybrid dbms, altibase
- (4) Hybrid Dbms, Altibase

09. Suppose that the index has been created as follows. Which one of following statements retrieves a data by using the index?

iSQL> CREATE INDEX emp_idx ON employees(emp_id, emp_name DESC);

- (1) SELECT * FROM employees ;
- (2) SELECT emp_id FROM employees ;
- (3) SELECT emp_id, emp_name FROM employees WHERE emp_name = 'KIM' ;
- (4) SELECT * FROM employees WHERE emp_id = 10 AND emp_name = 'KIM' ;

10. Which of the following hints is explained correctly?

- (1) INDEX ASC: This hint specifies that an index is to be sorted in descending order.
- (2) TEMP_TBS_MEMORY: This hint specifies that intermediate results are to be saved to disk.
- (3) PUSH_PRED (view table): This hint specifies that a view-related join predicate is to be processed first within a view.
- (4) RULE: Depending on the set rule, this hint specifies that an execution plan tree is created, but can change every time the query is executed.