2. Suppose XYZ company has a rule stating that a employee’s salary cannot be changed by more than 20% of the original salary if his/her experience is less than 5 years. Create a trigger ‘salary\_change\_monitoring’ to enforce this constraint. The trigger fires whenever there is an update to the emp table and outputs a suitable error message when the rule is violated.

Ans:

Create or replace trigger salary\_change\_monitoring

before update of sal on emp for each row

Declare

hdate date;

Begin

select hiredate into hdate from emp where empno=:new.empno;

if to\_date(sysdate) - to\_date(hdate) > 5\*365 then

update emp set sal = :new.sal where empno=:new.empno;

elsif to\_date(sysdate) - to\_date(hdate) < 5\*365 and

:new.sal<=:old.sal+:old.sal\*0.20 then

update emp set sal = :new.sal where empno=:new.empno;

else

Raise\_application\_error(-202026, 'Abnormal increment in salary');

end if;

End;

3. Write database triggers that checks that qty\_on\_hnd does not become negative.

create table product\_master

(

pno varchar2(5),

dsc varchar2(10),

profit\_percent number(3),

unit\_measure varchar2(10),

qoh number(4),

reorderlevel number(😎,

sell\_price number(😎,

cose\_price number(😎

);

Ans:

Create or replace trigger qty\_check

before insert or update on product\_master for each row

Begin

if inserting and :new.qoh < 0 then

Raise\_application\_error(-202026, 'Quantity Can not be negative');

elsif updating and :new.qoh < 0 then

Raise\_application\_error(-202026, 'Quantity Can not be negative');

End if;

End;