## Week 5 – Functions

# Observation (5)

1. What are Functions? List the types.

2. Write syntax for each of the following functions as per the template provided.

| | |
|---|---|
| Aggregate & Mathematical Functions | AVG( ), COUNT( ), FIRST( ), LAST( ), MAX( ), MIN( ), SUM( ) ,ABS( ), CEIL( ), FLOOR( ), TRUNCATE( ) |
| Scalar Functions | UCASE( ), LCASE( ), MID( ), LEN( ), ROUND( ), NOW( ), FORMAT( ), CONCAT(), TRIM( ) |
| Date Functions | ADDDATE( ), ADDTIME( ), CURDATE( ), CURRENT_DATE( ), CURRENT_TIME( ), CURRENT_TIMESTAMP( ), CURTIME( ), DATE( ), DATEDIFF( ), DATE_ADD( ), DATE_FORMAT( ), DATE_SUB( ), DAY( ), DAYNAME( ), DAYOFMONTH( ), DAYWEEK( ), DAYOFYEAR( ), EXTRACT( ), FROM_DAYS( ), HOUR( ), LAST_DAY( ), LOCALTIME( ), LOCALTIMESTAMP( ), MAKEDATE( ), MAKETIME( ) |
| Date with Time Functions | MICROSECOND( ), MINUTE( ), MONTH( ), MONTHNAME( ) NOW( ), PERIOD_ADD( ), PERIOD_DIFF( ), QUARTER( ), SECOND( ), SEC_TO_TIME( ), STR_TO_DATE( ), SUBDATE( ), SUBTIME( ), SYSDATE( ), TIME( ), TIME_FORMAT(), TIME_TO_SEC( ), TIMEDIFF( ) TIMESTAMP( ), TO_DAYS( ), WEEK( ), WEEKDAY( ), WEEKOFYEAR( ), YEAR( ), YEARWEEK( ) |

### Note: Follow the template given below

| Function | Purpose  of the function | Syntax |
|---|---|---|
| | | |

# Execution (15)

Execute all the functions listed in the observation using any one of the tables already created in the Hospital Management system Database.