

## Module Test (Practical): ABAP Part I PROGRAMMING TEST

Max Marks: 70

Duration: 3Hrs

### Assessment Parameters

- Solution Completeness (including all requirements addressed) – 20%
- Working solution for each requirement – 60 %
- Comments – 10%
- Coding standards – 10 %
- XXXX indicates any 4 digit/Name unique identifier

- I. Create a **ZXXXXHRP1000** table with the following specifications. Insert records in the table using TMG. **[10 Marks].**

Field	Key	Data Element	Data Type	Length	Decimal	Short description
MANDT	Yes	MANDT	CLNT	3	0	Client
OTYPE	Yes	ZXXXXOTYPE	CHAR	2	0	Organisation unit / Object ID
OBJID	Yes	ZXXXXHROBJID	NUMC	8	0	Object ID
ISTAT		ZXXXXSTAT_D	CHAR	1	0	Planning Status
SHORT		ZXXXXSHORT_D	CHAR	1	0	Object Abbreviation

\* TMG Data for **ZXXXXHRP1000** Table

MANDT	OTYPE	OBJID	ISTAT	SHORT
100	O	50027409	I	PRODUCTION1
100	CP	50027393	I	PRODUCTION2
100	O	50015825	I	PRODUCTION3
100	O	50015823	I	PRODUCTION4
100	O	50015273	I	PRODUCTION5
100	O	50027409	I	PRODUCTION6

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2. Create a **ZXXXXHRPI00I** table with the following specifications.

[ 10 Marks ]

Field	Key	Data Element	Data Type	Length	Decimal	Short description
MANDT	Yes	MANDT	CLNT	3	0	Client
OTYPE	Yes	ZXXXXOTYPE	CHAR	2	0	Object Type
OBJID	Yes F.key	ZXXXXHROBJID	NUMC	8	0	Organisation unit / Object ID
SUBTY	key	ZXXXXSUBTY	CHAR	4	0	Subtype
SCLAS		ZXXXXSCLAS	CHAR	2	0	Type of Related Object
SOBID		ZXXXXXSOBID	CHAR	45	0	ID of Related Object

\* TMG Data for **ZXXXXHRPI00I** Table and The table should contain the following data.

MANDT	OTYPE	OBJID	SUBTY	SCLAS	SOBID
100	O	50015825	B002	O	50015831
100	O	50015825	B003	S	00101002
100	O	50015825	B207	BP	0000605832
100	CP	50027393	A002	O	50014511
100	CP	50027393	B002	S	50027332
100	CP	50027393	B003	BP	50027337

3. Display the Organizational Object details in the basic list using the **ZXXXXHRPI000** table. If a Object ID is selected on this basic list, then all the Object Info type in which the object ID is available should be displayed in the next level from **ZXXXXHRPI00I** Table.

[20 Marks].

### Basic List:

Create a selection screen to accept the range of Object ID. Display at least 5 Object IDs along with Object Type, Planning Status and Object Abbreviation.

Preserve the below details for all the screens to print the header:

Client: 100 User: Sap login user id Date: System Date. Time: System Time.

### **Basic List**

Client	100	Date	28.10.2021
User	Trainee01	Time	21:09:09
Organization unit / object ID details			
Object Type	Object ID	Planning Status	Object Abbreviation
XXX	XXX	XXX	XXX
XXX	XXX	XXX	

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### Secondary list

Organisation unit Details				
Client	100		Date	21.10.2021
User	Trainee01		Time	21:09:09
Object Type	Subtype	Type of Related Object	ID of Related Object	
XXX	XXX	XXX	XXX	

Note: XXX represents the data.

4. Create a Function Module **ZXXX\_HR\_ORG\_UNIT** with **[ 20 Marks ]**

- a) Input is a range of Object IDs (OBJID)
- b) Output parameter is an internal table of type table ZXXXXXXHRORG.
- c) Write Logic in FM to fetch HR Org details from table **ZXXXXXHRP1000**

Write a Program that calls the Function Module **ZXXX\_HR\_ORG\_UNIT**, passes the range of Object IDs to the Function Module and displays the organisation unit details.

Display logic must be in the calling Program and not in the Function Module and should not use select \* statement.

5. Create the Data Base View for the both the tables (**ZXXXXXHRP1000** and **ZXXXXXHRP1001**) and write a program to display the data from the view. **[ 10 Marks ]**

Note: In View Calling Program, Declare Internal table with fields from both the tables and should not use select \* statement.