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

1. Create a ZXXXXXXMARA table with the following specifications. Insert records in the table using TMG. **[10 Marks]**.

Field	Key	Data Element	Data Type	Length	Decimal Places	Short Description
MANDT	Yes	MANDT	CLNT	3		Client
MATNR	Yes	ZxxxxxMATNR	CHAR	18		Material
MBRSH		MBRSH	CHAR	1		Industry sector
MTART		MTART	CHAR	4		Material Type
MEINS		MEINS	UNIT	3		Base Unit of Measure
BRGEW		BRGEW	QUAN	13	3	Gross Weight

Note: for Field **MATNR,** Data Element should be user defined **ZxxxxxMATNR** and Field

BRGEW you can ref the **MARA TABLE** and provide the field **GEWEI** as reference field.

* TMG Data for ZXXXXXXMARA Table

MANDT	MATNR	MBRSH	MTART	MEINS	BRGEW
800	000000000050065620	M	HALB	EA	30,000
800	000000000050065623	P	FERT	PC	10,000
800	000000000050065626	M	HALB	KG	25,000
800	000000000050065630	M	ROH	ST	1,000
800	000000000050065646	F	FERT	EA	5,000
800	000000000050065654	F	FERT	EA	4,000
800	000000000050065660	A	HALB	KG	50,000
800	000000000050065699	F	FERT	EA	8,000

2. Create a ZXXXXXXMARC table with the following specifications Insert records in the table using TMG. **[10 Marks].**

Field	Key	Data Element	Data Type	Length	Decimal Places	Short Description
MANDT	Yes	MANDT	CLNT	3		Client
MATNR	Foreign Key	ZxxxxxMATNR	CHAR	18		Material
WERKS	Key	ZxxxxxWERKS_D	CHAR	4		Plant
PSTAT		PSTAT_D	CHAR	15		Maintenance status
EKGRP		EKGRP	CHAR	3		Purchasing Group

Note: for Field **MATNR** Foreign Key to first table **and WERKS** Data Element should be user defined.

* TMG Data for ZXXXXXXMARC Table

MANDT	MATNR	WERKS	PSTAT	EKGRP
800	000000000050065620	1000	VDABG	019
800	000000000050065623	PC1	ELB	001
800	000000000050065626	JJ01	EB	010
800	000000000050065623	1000	VDABG	033
800	000000000050065646	1000	B	013
800	000000000050065620	2000	EB	234

3. Display the Material Number in the basic list using the ZXXXXXXMARA table. If a Material Number is selected on this list, then all the plants in which the material is available Purchase should be displayed in the next level from ZXXXXXXMARC Table. **[20 Marks]**

<u>Basic List:</u>
Create a selection screen to accept the range of Material Number. Display at least 5 Material No's along with Base Unit of Measure and Material Type.

Preserve the below details for all the screens to print the header:
Client: 800   User: Sap login user id   Date: System Date.   Time: System Time.

Client	800		Date	22.10.2021
User	Trainee01		Time	10:49:49

Material Number Details		
Material Number	Base Unit Of Measure	Material Type
XXXX	XXXX	XXXX
XXXX	XXXX	XXXX

Plant Details				
Client	800		Date	22.10.2021
User	Trainee01		Time	10:49:49

Material Number	XXXXX	
Material Number	Plant	Maintenance status
XXXX	XXXX	XXXX
XXXX	XXXX	XXXX

Note: XXXX represents the data.

4. Create a Function Module ZXXX_GetMaterials with
   a) Input parameter Material Number MATNR and Plant WERKS
   b) Output parameter is an internal table of type table ZXXX_MARA.
   c) Write Logic in FM to fetch Material detaills from table ZXXX_MARA

   Write a Program that calls the Function Module ZXXX_GetMaterials, passes the Material Number and plant to the Function Module and displays the material information.
   [20 Marks]

5. Create the Data Base View for the both the tables ZXXXXXXMARA and ZXXXXXXMARC 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.