Section 1 - Questionnaire:  
  
From the list below, please select and answer any 15 questions.  
1. What are permission sets and how do they differ from profiles?  
2. When will you use profile and permission sets together?

3. What is the difference between roles and profiles?

Profile:

1. A Profile is a collection of settings and permissions that controls the user what they have to do in the application and with access what they have.

2.A profile controls “Object permissions, Field permissions, User permissions, Tab settings, App settings, Apex class access, Visualforce page access, Page layouts, Record Types, Login hours & Login IP ranges.

3.Defining profile for a user is mandatory.

Role:

1.A role controls the level of visibility that users have into your organization’s data. Mainly is going to provide the record level security.

2.Users at any given role level can view, edit, and report on all data owned by or shared with users below them in the hierarchy, unless your organization’s sharing model for an object specifies otherwise.

3.It is not mandatory that a user should have a role.

4. Define recursive triggers. How can you avoid recursive triggers?

A recursive trigger is one that performs an action, such as an update or insert, which invokes itself

To avoid recursive triggers you can create a class with a static Boolean variable with default value true. In the trigger, before executing your code keep a check that the variable is true or not. Once you check make the variable false.

5. What is use of “with sharing” and “without sharing” in Apex class?

Use the **with sharing**keywords when declaring a class **to enforce the sharing rules** that apply to the current user.

Use the **without sharing** keywords when declaring a class to ensure that the**sharing rules**for the current user are**not  enforced**

6. What deployment methods have you used? List advantages and disadvantages of each.

Ans) Change sets, eclipse and ANT and SFDX Github

7. Describe how you would load data for a child object.

An External ID may be used in place of a related record's Salesforce Id to associate a chosen object's record to another object's records in Salesforce upon Upsert via the Data Loader.

8. What is the difference between a lookup and master-detail relationship?

MD:

1.It creates the parent and child relationship between objects.

2. If we delete master records then child records are deleted.

3.rollup summery field can be created on MD

4.we can have maximum 2 MD on object.

5.Master is required field on the child object

LR:

1.LR creates relation between two objects.

2.if we delete parent then child records are not deleted.

3.parent is not required in the child record.

4.Rollup summery cannot created on LR.

5.we can have maximum 40 lookups on a object

9. Explain the way you would query child from parent and parent from child

10. What are sharing rules, when do you use sharing rules?

1.Sharing Rules are used to open up the access to Salesforce Record on top of OWD and Role Hierarchy.

2.Sharing rules only work if the OWD for the record is either Private or Public Read Only for any ( Default Internal or Default External ).

3.When Sharing Rule is executed and open up the access to any record. Behind the scene, salesforce creates the record for Share Object.

4.Share Object gets available for the object if the OWD is Private or Public Read Only.

5.We can not share the Records with the user directly using Sharing Rules. But as a workaround, We can create a Public Group, add the user to the Public group and share the records with that public group.

11. What are record types? Why are the record types used?

Record types are used to show different layouts, picklist values and custom business processes based on need and requirements. For example, to differentiate Account for sales, support, and Marketing teams.

Record Types used for:

1. Can set different Page layouts to different profiles
2. Can set different picklist values to different record types so to profiles.
3. Can set different process (support or sales) and Path settings

12. When is page layout assignment used?

Page layout assignment are used to assign different layouts created for selected Profiles.

13. What is batch apex? What is the use case for batch apex?

Batch apex is piece of apex code that runs in background when it gets the salesforce resource are available

Whenever we wanted to process a large no of records then we go for batch apex as we can handle up to 50 million records from the batch class

14. What is the use of @future annotation?

@Future annotation tell a methods that it is a future method and run asynchronously in background.

15. What are test classes, what is the test coverage you need to move a code into production?

Testing is an important part of SDLC. So, before deploying our code to production environment

Before moving the code in production, Salesforce ensures that your code has a minimum of 75% code coverage. This means that you have tested your code and it would not break in the production environment.

16. Describe the difference between a workflow rule and approval process

The difference between workflows and approval process are  
Workflow rules consist of single step and a single action where as approval process has multiple steps and different actions.  
Workflow rules trigger automatically and the rules when triggered are not visible to the user. Approval process on the other hand, contains multiple step s each requiring a specific “I Approve or Reject” user action by the specified approvers.

17. What is the order of execution of workflow rules, validation rules, triggers?

1. System Validation Rules  
2. Apex Before Triggers  
3. Custom Validation Rules  
4. Duplicate Rules  
5. Apex After Triggers  
6. Assignment Rules  
7. Auto-Response Rules  
8. Workflow Rules  
9. Processes  
10. Escalation Rules  
11. Roll-Up Summary Fields

18. What are custom report types?

Custom report types in salesforce allows us to build framework in the report wizard when creating custom reports this custom reports can be created between standard and custom objects

19. What is a Trigger? Describe the difference between Old and new Trigger?

Apex triggers are piece of code execute when a particular event occurs. A trigger executes before and after an event occurs on record.

**Trigger. New :**Returns a list of the new versions of the sobject records.

**Trigger. Old :** Returns a list of the old versions of the sobject records

20. What are custom settings? When will you use custom settings?  
21. True or False: If you were to delete a record that had a look up to a child object, all child object  
records would get deleted as well?

Ans) False

22. What type of Workflow Alerts are there?  
23. Validation Rules, what are they used for in Salesforce?

Validation rules verify that the data a user enters in a record meets the standards you specify before the user can save the record. A validation rule can contain a formula or expression that evaluates the data in one or more fields and returns a value of “True” or “False”.

24. What is a VLOOKUP in Salesforce.com?  
25. When I want to export data into Salesforce.com from Apex Data Loader, which option should be  
enabled in Profile?  
26. What is a web-to-case?

1. Web-to-Case generates the custom case fields.

2. It produces a default email template to send an automated notification to your customers.

3. Web-to-Case builds the case queues if one wants to assign the incoming cases to queues as well as to the individual users.

27. What is a wrapper class in Salesforce.com?

A wrapper or container class is a class, a data structure, or an abstract data type which contains different objects or collection of objects as its members.

28. What are formula and Rollup Summary fields and difference between them? When should Rollup-

A Rollup Summary field is used to calculate the sum of a fields in the child object record. It is compulsory to be in a Master-Detail relationship to use the rollup summary. A rollup summary field is always created on Master record.(Parent to Child).

Summary field enable?What is a Sandbox? What are all the Types of sandboxes?

Sandbox is nothing but a replica of your production organization. These copies are created by Salesforce Developers to perform activities such as testing and training without affecting the main production organization.

There are 4 types of sandboxes:

1.Developer Sandbox, 2. Developer Pro Sandbox, 3.Partial Copy Sandbox, 4. Full Sandbox.

29. What are different kinds of reports?

We have 4 types of reports in salesforce.

1. Tabular 2. Summary 3.Matrix 4.Joined

30. How to schedule a class in Apex?  
31. What are governor limits in Salesforce.com?

Salesforce governor Limits are a concept that exists because Salesforce and Apex run in a multitenant environment.

Governor Limits:1. SOQL Queries 100, 2.SOSL queries 20, 3. DML 150 Limit, 4. Total number of records retrieved by soql queries 50000, 5. Total number of records retrieved by single sosl queries 2000

32. What actions can be performed using Workflows?

1. Create Task, 2. Send an email alert, 3. Update fields, 4. Send an out bound message

Section 2 - Configuration Fundamentals  
Context:  
An Office Supply Wholesaler would like to track their Order and Order Items within Salesforce. The  
developer decided to create two custom objects to track Orders and Order Items.  
1. There is a requirement to calculate the total number of Items and the total cost at the Order level  
by summarizing from the corresponding order items. What is the best way meet this  
requirement?

Ans) 1.so we have to create md Between order and order details object here in this case master is order object details is the order item object .

2.Create a rollup summery field to track total number of order items in the order.

3.Rollup summery field we have to perform count function.

4.Create rollup summery field on order object to give total cost of order items here we can sum function.

2. The user would like the ability to apply a discount at the Order level which applies a discount % to  
the Total Cost of the order

Ans)1.we have a create %persent data type field and name it as discount (In persent) .

2.Create formula field return type is number and apply the below formula total cost into (rollup summery field into discount.)

3. There is a requirement to track the Shipping Status (Packed, Awaiting Pickup, Shipped, Delivered)  
of the Order. A picklist field on Order indicates if the Shipping Type is Bulk or Separate. If the  
shipping type is Bulk, the status is tracked only at the order level. If it is Separate, the status is  
tracked at the line item level.

3.1. Requirement 1: The user cannot update Shipping Status on the Item level if the Shipping  
Type is set to Bulk on the Order.

Ans)Create a validation rule on orderitem object to give error massage on orderitem object when the order record order type is bulk

Formula for this scenario is if(and(orderitem\_c.order\_\_r.orderstatus\_\_c==BULK.not(ISBKANK(orderitem\_\_c.orderitemstatus\_\_c))),true,false)

3.2. Requirement 2: The user cannot set the Shipping Status on the Order if the Shipping Type is  
set to Separate

Ans)Create a validation rule o.order object to give error message on order when the order record order type is separate

Formula for this scenario is if(AND(order\_\_c.ordertype==’Seperate’.NOT(ISBLANK(orderstatus\_\_c))),true,false)

3.3. Requirement 3: If Shipping Type is Separate and the shipping status is set to Delivered on all  
Order items, automatically update the Shipping status on the parent Order to Delivered.

Ans) Formula for this scenario is if(AND(order\_\_c.ordertype==’Separate’,NOT(ISBLANK(orderstatus\_\_C)),orderstatus<>’Shipped’),true,false)

**How can you call a controller method from java script ?**  
Ans) Use action function component to call controller method from java script.

Var action = component.get(“c.Apexmethodname”)

({

putdatatype : function(component, actionName, val) {

var action = component.get(actionName);

action.setParams({ v : val });

action.setCallback(this, function(response) {

console.log(response.getReturnValue());

});

$A.enqueueAction(action);

}

})

**what is action function in salesforce?**

Ans) Action Function is used in **the Visualforce page to call the Service Side method using JavaScript** and does not add the Ajax Request before calling the Controller method.

apex:ActionFunction : This component helps to envoke AJAX request (Call Controllers method) directly from Javascript method. It must be child of apex:form.

<apex:actionFunction name=”sendEmail” action=”{!sendEmailFunction}”>

</apex:actionFunction>

**what is action support in salesforce?**

apex:ActionSupport : This component adds Ajax request to any other Visualforce component. Example : Commandlink button has inbuilt AJAX functionality however few components like OutputPanel does not have inbuilt AJAX capabilities. So with the help of this component, we can enable AJAX.

<apex:outputpanel id=”counter”>  
<apex:outputText value=”Click Me!: {!count}”/>  
<apex:actionSupport event=”onclick” action=”{!incrementCounter}” rerender=”counter” status=”counterStatus”/>  
</apex:outputpanel>

**What is the difference between action function and action support ?**  
Ans) Action functions can call controller method from java script,

Action support adds support to other components.

**What is action poller in visualforce ?**  
Ans: Action poller sends AJAX request with a specified time interval

**How can you use custom label; in visualforc page?**Ans: Use this syntex for accessing custom albel in visualforce page - {!$Label.Samplelabel}

**How do we access static resource in visualforce?**  
Ans) Use this syntex for accessing static resource {!$Resource.Testresourcename}

**How to embed a visaulflow in a visualforce page ?**  
Ans) Use this syntex to embed flow in vf page : <flow:interview />

**How to enable inline editing in visauflorce page ?**  
Ans) You can enable inline editing in visualforce page by using <apex:inlineEditSupport> component.

**What is the full form of AJAX?**  
Ans) it stands for assynchronous java and XML

**What is' with sharing' in apex class code?**  
Ans) When you use 'with sharing', user's permissions and field-level security are respected. In case of 'without sharing' code runs in system mode.

**Can you use dml statement in visualforce compoenent controller ?**  
Ans) To use dml in visualforce component you have to declare allowdml=true in visualforce component otherwise you will get an exception "DML is currently not allowed"

**Ho can you display the status of an AJAX update request in a visualforce page ?**  
Ans) To display AJAX request status we can use <apex:actionstatus> component.

**How can you make fields required on a visualforce page?**  
Ans) mark required = true as done in the example below:  
     <apex:inputfield value="{!account.Description}" required="true"/>

**How can you get the current record id in a visualforce page ?**  
Ans) use ApexPages.CurrentPage().getparameters().get('id') to get the current record id in visaulforce page.

**How to display error messages in the visualforcepage?**

Ans:In Apex use below code to create the error message for visualforce.

Apexpages.addMessage(newApexPages.Message (ApexPages.Severity.ERROR, 'Required fields are missing. '));

In Visualforce page add below tag where we want to display the error message.

<apex:pageMessages></apex:pageMessages>

**What is Difference in render, rerender and renderas attributes of visualforce?**

Ans: render – It works like “display” property of CSS. Used to show or hide element.

rerender: If we want to refresh partial page in Visual force page we have to use rerender

render as: By using this we can convert entire visual force into PDF,doc and excel. The syntax is

Render as = “pdf”

**Can custom setting be accessed in a test class?**  
Ans) Custom setting data is not available default in a test class. We have to set seeAllData parameter true while definig a test class as below. @isTest(seeAlldata=true)

**What is an apex transaction?**

Ans - An apex transaction represents set of operations that are executed as a single synchronous unit.

**How many callouts to external service can be made in a single apex transaction?**

Ans) A total of 10 callouts are allowed in a single apex transaction

**What is the maximum allowed time limit while making a callout to external service in apex?**Ans) maximum of 120 second time limit is enforced while making callout to external service  
  
 **How can you expose an apex class as a REST web service in salesforce?**  
Ans) An apex class can be exposed as REST web service by using keyword '@RestResource'

What is the Default timeout of callouts (HTTP requests) in a transaction?  
Ans - Default timeout for callouts is 10 seconds

**How many @future method invocations are allowed per apex transaction?**Ans) 50 future method invocation are allowed per apex transaction  
  
**What is the total heap size limit in case of synchronous and Asynchronous transaction?**  
Ans) 6MB in case of synchronous and 12 MB in case of Asynchronous transactions

**How many scheduled jobs can you have at one time?**  
Ans) We can have upto only 100 jobs scheduled in the org.  
  
**How can you make callouts in @future methods?**  
Ans) this can be done by mentioning callout=true  
      @future(callout=true)

**What are the Assignment Rules?**

Ans: Assignment Rules are used to automate organization’slead generation and support processes.

Lead Assignment Rules—specify how leads are assignedto users or queues as they are created manually, captured from theweb, or imported via the lead import wizards.

Case Assignment Rules—Determine how cases are assignedto users or put into queues as they are created manually, using Web-to-Case.

**What is the difference between giving with sharing and without sharing while creating a class?**

Ans) The class with sharing means we are enabling the access to the profiles

The class without sharing means we are disabling the access to the profiles.

SF Interview Questions

https://salesforce1991.blogspot.com/p/blog-page.html