1. Default class required to extend by block or default interface required to implement by block

Frontend or Backend

Ans . Frontend : extends \Magento\Framework\View\Element\Template   
implements Magento\Framework\View\Element\BlockInterface

Backend : Magento\Backend\Block\Template

1. Default class needs to extended or interface implemented to have any entity ‘extension\_attributes’ functionality  
   extends : **\Magento\Framework\Model\AbstractExtensibleModel  
   implements : Magento\Framework\Api\CustomAttributeDataInterface**
2. Default price apply flow on PDP page

Ans :

1. Price calculation result on PDP
   1. Base Price
   2. Special Price
   3. Tier Price
   4. Catalog Rules
   5. Shopping cart rules
2. If we want to add any new payment model then things needs to be done for it  
   E:\projects\digi\digi-magento\vendor\magento\module-braintree\etc\di.xml
3. How to do customization to override frontend js file so that it will not hamper the Magento upgrade process  
   JS overwrite workflow
4. Magento upgrade steps in development mode  
   Upgrade steps

<https://www.mageplaza.com/devdocs/upgrade-magento-2.html>

1. Backup your store

2. Turn on maintenance mode (php bin/magento maintenance:enable)  
It will create a new file var/.maintenance.flag. If you cannot disable maintenance mode, you can remove this file [Remmember!]

1. How we can add new router structure other than current one  
   How to change the base pattern check in magento

Ans . 1 . register your router in di xml plugin Magento\Framework\App\RouterList and add your custom class with class item name.

2. and impelments your custom class with \Magento\Framework\App\RouterInterface

write your code in match function.

1. What command is not executed in Production Mode  
   Figure it out
2. If we want to add any customer\_address entity attributes any want to add and edit it into customer edit page than steps required for it  
   Refer study guide
3. If any custom module is dependent on core module than what configuration needs to be there into composer.json file  
   use require node json
4. What can be restricted using acl.xml?  
   menu.xml, system.xml and extension\_attributes.xml
5. List of Folders which can contain template files?  
   module/view/frontend/templates/

-------  
module\_name/view/ templates/  
module\_name/view/ui\_components/templates/  
Search for more

1. How data can be configure, fetch and return on the admin grid using ui\_component? 2 ways  
   Data Source find
2. One entity is having two attribute which can be of static or varchar backend type. What we can do using both the backend type? How this will impact on data saving process? Whether it will help to save data website wise or site wise?  
   static and EAV scope search
3. What happen is we have more than one same kind of before, around and after plugins for same function and they all just have different sort orders?  
   POC – Create plugins for different cases and check
4. How around plugin works with different sort orders?  
   POC – Create around plugin and check sort order
5. How we can configure default values for system.xml file?

(config.xml)

1. Using what functionality we can have two separate blocks in header and footer with just different css class?
   1. Block
   2. Containers  
      POC – How to get class names in block
2. Pattern to write viewModel for any block in layout.xml file

<block name="product.promotions" template="AcmeWidgets\_

ProductPromoter::promotions.phtml" >

<arguments>

<argument name="viewModel"

xsi:type="object">AcmeWidgets\ProductPromoter\Block\

Promotions</argument>

</arguments>

* 1. </block>

1. How to change default order status after order place?  
   Find proper answer
2. How we can export real time order into third party ERP system?  
   Get event list and public methods for order place
3. Difference between Magento Production mode VS Development mode  
   Find difference
4. Credit memo created into the third party ERP system and refund processed from it. Now when it callsMagento APIs and create credit memo into Magento system then what happens?  
   Figure out answers
5. How would you customize the “Order History” page?  
   file sales\_order\_history.xml layout file
6. How we can manipulate the html output of any block?  
   Either event 0r tohtml()
7. We are having two separate themes. One theme is having home page in 3 columns layout structure. Second theme is having 2 columns layout. How it can be done?  
   find column layout value in xml
8. Types of combination can be done using in layout.xml
   1. Multiple class, Multiple block instance, Multiple Template  
      Permutation combination
9. How we can know the current page is rendered using which layout.xml file?  
   Body Class name ??
10. we are having some fix classes and lazy loaded classes into dependency injection. Few uses very rarely. To avoid performance degrade what to use for lazy loaded classes?
    1. Object Manager
    2. Virtualtype into di.xml  
         
       Proxy ??  
       https://webkul.com/blog/magento2-proxy-design-pattern-code-generation/
11. What happens if we have used cachable=false in block?  
    Find in DUMP and Study Guide

To create an uncacheable page, mark any block on that page as uncacheable in the layout using cacheable="false".

Only HTTP GET and HEAD requests are cacheable

1. Describe how to pass variables from layout to block.  
   getDatasetData -> arguments xml
2. Use of **requirejs-config.js**Find usage

https://magento.stackexchange.com/questions/148985/use-require-config-js-to-load-files-needed-on-all-pages

1. Product entiry, single attribute, get list of 5 product using that attribute filter. How to use getList using SearchBuilder?  
   How to use filter for getList()

\Magento\Framework\Api\SearchcriteriaBuilder $searchcriteriaBuilder,

\Magento\Catalog\Api\ProductrepositoryInterface $productrepositoryInterface

$search = $this->\_searchCrieteriaBuilder->addFilter('price',array('gteq' => 100))->setPageSize(3)->create();

$serach2 = $search = $this->\_searchCrieteriaBuilder->create()->setPageSize(2);

$items = $this->\_productRepositoryInterface->getList($search)->getItems();

foreach($items as $item){

echo $item->getName();

echo '</br>';

}

1. How we can save customMeta information of item into the quote? That meta information will preserve after order creation.  
   How to preserve order meta info in Quote item level -> additional info
2. Category name will save into which table?  
   ->catalog\_category\_entity\_varchar
3. We have flat tables enabled for product attributes. How they will be displayed on front? What properties should be set for attribute?  
   Find the attribute setting which makes it a flat table column

Ans . visible\_on\_front check below

filterable' => false,

'comparable' => false,

'visible\_on\_front' => true,

'used\_in\_product\_listing' => true,

'unique' => false,

'apply\_to' => ''

1. We want to change or alter value while we save product attribute. What property used for it?
   1. Source class
   2. Backend class
   3. Frontend class
2. Example of x,y and z products. Decide the suitable type to create them together.
   1. Bundle
   2. Configurable
   3. Grouped  
      When to create what type of product
3. How to change category tree structure? Is it allowed to change it?  
   Is it possible to change the root category ?
4. Totals configuration is used for
   1. Total sorting on cart page
   2. Total calculation
5. Vault is used for?
   1. **Save payment tokenss**
   2. Save cc details
6. Varnish and Redis cache
   1. Configuration
   2. How to clean cache  
      https://devdocs.magento.com/guides/v2.2/config-guide/varnish/use-varnish-cache.html
7. How to add custom tables to the catalog prices rules critieria

https://magento.stackexchange.com/questions/227731/how-to-add-custom-field-in-catalog-price-rule-and-cart-price-rule

1. How to hide a particular attribute from admin user roles

Create a new role and add custom resources according to you and assign that role to relative user.

1. Varnish cache:clean not working, what is the solution

Ans . => php bin/magento setup:config:set --http-cache-hosts=127.0.0.1

https://magento.stackexchange.com/questions/182974/varnish-cache-cleaning-problem-purge-method-not-allowed

1. How to add validation rules in UI component forms

Ans . <item name="validation" xsi:type="array"><item name="required-entry" xsi:type="boolean">true</item><item name="max\_text\_length" xsi:type="number">5</item>

</item>

https://magento.stackexchange.com/questions/190699/ui-form-validation-in-magento-2

https://www.mageplaza.com/devdocs/how-to-validate-form-magento-2.html

1. How to add extra meta data to quote item information
2. How to show logo of the brand on the cart item
3. Configurable product child image how to show on cart Item on cart page

Ans .=> Admin=>Stores=>Checkout=>Shopping Cart=>Configurable Product Image=>option[product thumbnail itself ] then it will automatically show the child product Of Image.

1. What interface the **AbstractExtensibleModel**implements?

Ans =>interface \Magento\Framework\Api\CustomAttributeDataInterface

Class => Magento\Framework\Model\AbstractExtensible\Model

1. How to update the validation rule of customer attribute firstname to have 2 character instead of one?
2. Custom product attribute takes comma separated values and add validation rules which class to implement

Class \Magento\Eav\Model\Entity\Attribute\Backend\AbstractBackend

Interface =>\Magento\Eav\Model\Entity\Attribute\Backend\BackendInterface

1. How to add custom quote item options programmatically

Ans . <http://www.blogtreat.com/magento-2-how-to-add-additional-options-in-cart-items/>

1. How to add custom rule to JavaScript of add to cart action
2. Product base price is 100 and special price is 110 and tier price 2 qtyis 115 and catalog price rule adds 10 % discount -> 2 \* 100 \* 0.10

Ans . 90

1. We would like to have an event which should observed when executing Admin and API where do the place the events.xml file
   1. Admin
   2. Adminhtml
   3. Frontend
   4. Global
2. When can creditmemo offline refund is favored over online refund
   1. When offline payment method is used
   2. Refund is done using store credit
   3. Creditmemo cannot do refund
3. What is the customization needed to implement filter url for a category in a seo friendly way
4. What will happen if the $proceed() is not called in an “Around plugin.

Ans . If the around method does not call the callable, it will prevent the execution of all the plugins next in the chain and the original method call.

1. A product is bed sheet, customer has options like color, size and dimensions to choice

Which are optional and should be added together and inventory should be manageable

Ans .Configurable Products