

UKA TARSADIA UNIVERSITY

MCA (Semester 5)
040010515(2016-17)

Collaborative Content Management Systems

Date :29/05/2017

Time :1:30PM- 4:30PM

Max. Marks:60

Instructions :

1. Attempt all questions.
2. Write each section in a separate answer book.
3. Make suitable assumptions wherever necessary.
4. Draw diagrams/figures whenever necessary.
5. Figures to the right indicate full marks allocated to that question.
6. Follow usual meaning of notations/abbreviations.

SECTION - 1

Q 1 A) Answer the following.

[4]

- I) Why it is advisable not to edit any of WordPress core files?
- II) How permalinks are advantageous in case of sharing the post?
- III) Where the details regarding metadata for comments are stored in WordPress?
- IV) Which function is used to check whether post is exist or not in WordPress?

Q 1 B) Answer the following in brief. (Any 3)

[6]

- I) List any four files that are part of wp-includes directories.
- II) Enlist any two post status and write purpose of any one of them.
- III) What is the purpose of the `_content()` template tag? Discuss all parameters.
- IV) Is it possible to upload an image with the resolution of 1200X1800 in WordPress website? Justify answer.

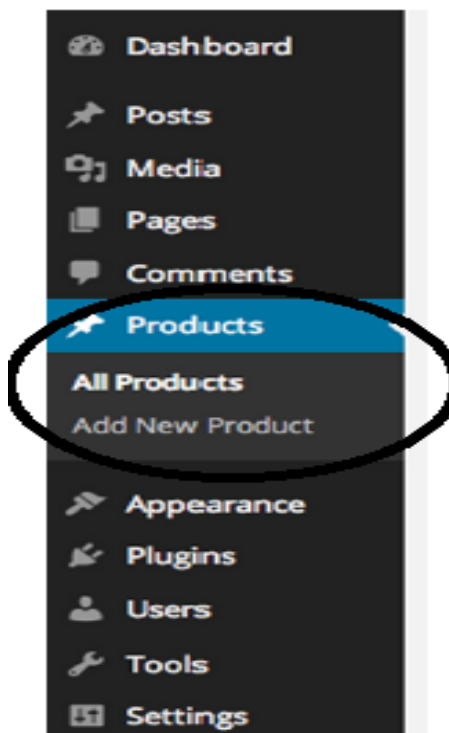
Q 2 Answer the following.

[10]

- A) Ms. Kruti Patel is new user of WordPress. She wants to create attractive post with categories, tags, comments etc. Prepare a documentation which helps her for doing same.

OR

- A) Write code to generate following output marked with the use of circle.



- B) Mr. Arth Sinha developing WordPress website for “Electronics Gadgets”. In website he wants to provide functionality about different electronic gadget’s information displayed together on his website. Identify using which functionality it is possible. Also write URLs which he has to browse to achieve given functionality along with its purpose.

OR

- B) Mr. Karan Sharma developing WordPress website which includes functionality to have special feed that includes a reference to an audio or video file instead of just text. How he will create given functionality? Write down steps for it.

Q 3 Answer the following in detail. (Any 2)

[10]

- I) Explain in details errors that can occur during installation of WordPress.
- II) Explain in detail user role as subscriber and editor in WordPress with suitable example. Also write down steps to assign role of editor.
- III) Explain purpose of any two WordPress core files in detail.

SECTION - 2

Q 4 A) Answer the following.

[4]

- I) How you will install plugin which is already available in plugin directory?
- II) Which function gets executed when your plugin is executed?
- III) How you will retrieve a list of all sites in the network while working in Multisite network?
- IV) What is the role of Super Admin in Multisite?

Q 4 B) Answer the following in brief. (Any 3)

[6]

- I) Write four scenarios for the plugins which need some additional tuning up.
- II) Define Internationalization. Also write two functions which are used for Internationalization.
- III) Discuss `add_meta_box()` with its parameters.
- IV) What is the purpose of Site-Specific Tables in Multisite?

Q 5 Answer the following.

[10]

- A) ‘My Twitter’ is website developed in WordPress. Owner is facing problem of spam comment in the tweets. He wants you to develop a feature that will remove any hyperlink added in comment before displaying comments in the tweet. Write code and steps to complete this feature.

OR

- A) Parneeti owns a WordPress website of ‘Online Tutorial’ where she provides facility to learn different topics from various experts. These experts should be allowed to add new tutorials in different categories which may contain images and videos. She needs a feature that whenever a new expert is registered, an entry should be made in database table - ‘posts’ which adds basic details of expert as a post in the form of following content:

Title:	Details of expert - ‘<Firstname Lastname>’
Content:	My name is <Firstname Lastname>. I am also known as ‘<nickname>’. If you have any query in my tutorials, you can mail me on ‘<email address>’.

Identify the useful feature to do the same in WordPress and write required code and steps with proper description.

B) A WordPress custom theme is developed by “Techno Web Developers Pvt. Ltd.”, having following facilities:

- a. Header and footer are common for all webpages.
- b. There are two sidebars called ‘left’ and ‘right’.
- c. The page having list of posts from particular category is having different design than page having single post.

Identify and explain the template files that will be used in developing the above given theme.

OR

B) Reshuffle the below code of ‘index.php’ file for theme developed in WordPress. The code will be used to check if there is no content to display then it will display ‘none’ template. On the homepage it will display a title of single page/post. The loop on this page is used to display ‘content’ part of each post.

```
<?php get_header();

get_footer();

if ( is_home() && ! is_front_page() ) :

    if ( have_posts() ) :

        single_post_title();

    endif;

    while ( have_posts() ) :

        get_template_part( 'template-parts/content', 'none' );

        the_post();

    endwhile;

else :

    get_template_part( 'template-parts/content', get_post_format() );

endif;

get_sidebar('right'); ?>
```

Q 6 Answer the following in detail. (Any 2)

[10]

- I) Explain any five template files provided by WordPress.
- II) What is a conditional tag? Explain in detail any four conditional tags with proper example.
- III) Explain in details ‘Creating and Managing sites’ in multi-site.