



HCX-003-1043004 Seat No. _____

B. Sc. (I.T.) (Sem. III) (CBCS) Examination

October / November – 2017

CS-16 : Web Development using Joomla! CMS
(New Course)

Faculty Code : 003

Subject Code : 1043004

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (a) Attempt following questions : 4
- (1) What is Property ?
 - (2) _____ Keyword is used to create Constructor in php.
 - (3) List out types of Property Visibility.
 - (4) PDO stands for ?
- (b) Attempt any **one** question : 2
- (1) Explain constructor and destructor.
 - (2) Explain Constant and Scope Resolutions operator.
- (c) Attempt any **one** question : 3
- (1) What is OOP ? Explain class with example.
 - (2) Insert data in database using PDO.
Field Name : name, city, mobileno
- (d) Attempt any **one** question : 5
- (1) What is Inheritance ? Explain in detail.
 - (2) Explain Method overloading with example.

- 2 (a) Attempt following questions : 4
- (1) CMS stands for ?
 - (2) To access Joomla administrative panel, _____ Keyword is used.
 - (3) Category Manager available in _____ Main menu.
 - (4) WYSIWYG stands for ?
- (b) Attempt any **one** question : 2
- (1) Explain Global Site Configuration.
 - (2) How to add, edit and delete category ?
- (c) Attempt any **one** question : 3
- (1) Explain advantages and disadvantages of Joomla.
 - (2) Explain Joomla Directory and file structure.
- (d) Attempt any **one** question : 5
- (1) Explain Features of Joomla.
 - (2) Write down steps of Joomla installation.
- 3 (a) Attempt following questions : 4
- (1) _____ .xml file is requires for Template information.
 - (2) _____ event is triggered before the user is logged out of the system.
 - (3) Plugin Manager option available in _____ Menu.
 - (4) Which event is triggered after the framework has loaded and the application initialise method has been called?
- (b) Attempt any **one** question : 2
- (1) What is MVC ?
 - (2) How to install and enable plugin ?
- (c) Attempt any **one** question : 3
- (1) Explain any three content event.
 - (2) What is Joomla Modules? How to install and publish modules ?
- (d) Attempt any **one** question : 5
- (1) Explain any Five User event.
 - (2) Explain Template Directory Structure.

- 4 (a) Attempt following questions : 4
- (1) "Template Manager options available under _____ menu.
 - (2) How many files are required to built module in Joomla?
 - (3) Which Format is used to package on template ?
 - (4) Which encoding is used in templateDetails.xml file?
- (b) Attempt any **one** question : 2
- (1) Write down example of add Custom Image and Custom CSS in Joomla template.
 - (2) How to install plugin in Joomla ?
- (c) Attempt any **one** question : 3
- (1) Explain File Structure of Module.
 - (2) Explain Model Position.
- (d) Attempt any **one** question : 5
- (1) How to Create basic template and Setting up a directory structure ?
 - (2) How to Create slider and image gallery ?
- 5 (a) Attempt following questions : 4
- (1) ACL stands for ?
 - (2) _____ is Base class for a Joomla View.
 - (3) What license does Joomla! use?
 - (4) MVC stands for ?
- (b) Attempt any **one** question : 2
- (1) What is Joomla Framework ?
 - (2) How to Adding decorations to the backend ?
- (c) Attempt any **one** question : 3
- (1) Why should I consider using the Joomla Framework?
 - (2) Write down steps of Adding language management.
- (d) Attempt any **one** question : 5
- (1) Explain Joomla - Architecture.
 - (2) How to add Component to Joomla ?