



Seat No. _____

HAM-003-1043004

B. Sc. (IT) (Sem. III) (CBCS) (W.E.F. 2016)

Examination

June - 2023

**CS-16 : Content Management System
Using Joomla**

Faculty Code : 003

Subject Code : 1043004

Time : $2\frac{1}{2}$ / Total Marks : 70

- 1 (a) Attempt the following : 4
- (1) Full form of OOP _____.
 - (2) Which operator is used for scope resolution ?
 - (3) What is Auto loading class ?
 - (4) What is responsive website ?
- (b) Answer in brief : (any 1 out of 2) 2
- (1) Explain scope resolution operator.
 - (2) What is class ? Explain properties of class.
- (c) Answer in detail : (any 1 out of 2) 3
- (1) Explain method overloading.
 - (2) Explain final keyword with example.
- (d) Write a note on following : (any 1 out of 2) 5
- (1) Explain inheritance in detail.
 - (2) Explain Constructor and Destructor in detail with one example.
- 2 (a) Attempt the following : 4
- (1) Full form of CMS _____
 - (2) Give the full form of MVC.
 - (3) Full form of WYSIWYG _____
 - (4) Explain how joomla works.
- (b) Answer in brief : (any 1 out of 2) 2
- (1) List out technical requirements of joomla.
 - (2) Explain Article in Joomla.

- (c) Answer in detail : (any 1 out of 2) 3
 (1) List out all features of Joomla and explain any 3 in detail.
 (2) List out features of Joomla and explain any two in detail.
- (d) Write a note on following : (any 1 out of 2) 5
 (1) Write down steps to install Joomla.
 (2) Explain banners in Joomla.
- 3** (a) Attempt the following : 4
 (1) Which XML file is required for template information ?
 (2) What is controller in MVC ?
 (3) What are components ?
 (4) What are plugins ?
- (b) Answer in brief : (any 1 out of 2) 2
 (1) What is MVC ?
 (2) Explain module positions.
- (c) Answer in detail : (any 1 out of 2) 3
 (1) Explain Joomla MVC basic directory structure.
 (2) How to install and enable plug-in ?
- (d) Write a note on following : (any 1 out of 2) 5
 (1) Explain plug-in types in Joomla.
 (2) Explain Template directory structure in detail.
- 4** (a) Attempt the following : 4
 (1) Explain helper.php file.
 (2) What is Footer Module ?
 (3) Full form of XML _____
 (4) How many files are required to build Joomla module ?
- (b) Answer in brief : (any 1 out of 2) 2
 (1) Explain Module file structure.
 (2) List out plug-in events for on User Authorization.
- (c) Answer in detail : (any 1 out of 2) 3
 (1) How to add a model to the site part ?
 (2) Explain Module file structure.
- (d) Write a note on following : (any 1 out of 2) 5
 (1) How to create basic template and index.php file ?
 (2) Explain how to create template details.xml file.

- 5** (a) Attempt the following : **4**
- (1) What is Joomla4?
 - (2) ACL stands for _____.
 - (3) Full form of API _____.
 - (4) Base class of joomla view is _____.
- (b) Answer in brief : (any 1 out of 2) **2**
- (1) What is event trigger ?
 - (2) How to add ACL supporting plug-in in component ?
- (c) Answer in detail : (any 1 out of 2) **3**
- (1) Explain caveats in joomla.
 - (2) Explain Orthogonal Component Structure.
- (d) Write a note on following : (any 1 out of 2) **5**
- (1) Explain joomla framework architecture.
 - (2) Write a note on joomla 4.
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