



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.
