



**JAI-003-1043004**

Seat No. \_\_\_\_\_

**B. Sc. (IT) (Sem. III) (CBCS) Examination**

**November - 2019**

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

**Faculty Code : 003**

**Subject Code : 1043004**

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

[Total Marks : 70

- 1 (a) Attempt the following objective questions : 4
- (1) Full form of MVC.
  - (2) Full form of OOP.
  - (3) What is class ?
  - (4) What is Object ?
- (b) Attempt any **one** of the following : 2
- (1) Explain Static keyword.
  - (2) What is scope resolution operator ? Explain.
- (c) Attempt any **one** of the following : 3
- (1) Difference between Constructors and Destructors.
  - (2) Write a note on Object Cloning.
- (d) Attempt any **one** of the following : 5
- (1) Explain concept of Type Hinting in detail.
  - (2) Write a note on Object inheritance.

- 2 (a) Attempt the following objective questions : 4
- (1) Full form of CMS.
  - (2) What is Joomla ?
  - (3) What is template ?
  - (4) What is parameters ?
- (b) Attempt any **one** of the following : 2
- (1) Write technical requirement for joomla.
  - (2) Explain folder structure.
- (c) Attempt any **one** of the following : 3
- (1) Write a note in Module position.
  - (2) Explain core features of joomla.
- (d) Attempt any **one** of the following : 5
- (1) Explain User manager, groups and access levels.
  - (2) What is Global configuration? Explain site and system settings in detail.
- 3 (a) Attempt the following objective questions : 4
- (1) What is controller in MVC ?
  - (2) What is captcha ?
  - (3) What is finder ?
  - (4) What is Authentication ?
- (b) Attempt any **one** of the following : 2
- (1) How to install module ?
  - (2) Explain components of joomla.

- (c) Attempt any **one** of the following : 3
- (1) List out types of Plugin and explain any one.
  - (2) Explain File structure for module.
- (d) Attempt any **one** of the following : 5
- (1) Write a note on development of a basic MVC component.
  - (2) Write a note on adding a menu type to site part.
- 4 (a) Attempt the following objective questions : 4
- (1) What is Plugin ?
  - (2) Full form CSS.
  - (3) Use of index.php.
  - (4) What is directory ?
- (b) Attempt any **one** of the following : 2
- (1) Explain file structure for plugin.
  - (2) Use of Begin section.
- (c) Attempt any **one** of the following : 3
- (1) Explain Body section.
  - (2) Write a note on testing the template.
- (d) Attempt any **one** of the following : 5
- (1) Write a note on how to create Plugin.
  - (2) Write a note on templateDetails.xml file.

- 5 (a) Attempt the following objective questions : 4
- (1) Full form of ACL.
  - (2) What is verification ?
  - (3) What is framework ?
  - (4) Full form of API.
- (b) Attempt any **one** of the following : 2
- (1) Explain observer implementation.
  - (2) Explain the concept of Trigger Events.
- (c) Attempt any **one** of the following : 3
- (1) Explain Orthogonal Component structure.
  - (2) How to add decorations to the backend ?
- (d) Attempt any **one** of the following : 5
- (1) Write a note on joomla Framework architecture.
  - (2) Write a note on improvements in joomla admin workflow.
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