

**OFFICE OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA  
10 BAHADUR SHAH ZAFAR MARG, NEW DELHI – 110124**

**Examination Wing**

**Circular No. 01 of 2021**

**(Only for IA & AD)**

No. 37/14-Exam/Syllabus Revision/2018

Dated 9<sup>th</sup> February 2021

**To**

**Heads of Department of IA&AD offices**

(As per standard e-mail list)

**Subject: Revised Syllabus of C-6 paper of Continuous Professional Development Examination Stage-III (CPD-III)**

Madam/ Sir,

In partial modification of Examination Wing Circular No.17 of 2019 dated 27<sup>th</sup> August 2019 regarding revised syllabus of RA and CPD examinations, it is informed that with the approval of the Competent Authority the syllabus for **C-6**, Information Systems Audit paper of Continuous Professional Development Examination Stage-III (CPD-III) has been revised. The revised syllabus is enclosed herewith which will be applicable from the Examination-1 of 2021.

2. The syllabus of the other examinations/papers i.e., RAE, C-1, C-2, C-3, C-4 and C-5 as published vide Circular No.17 of 2019 ibid will remain the same.

Yours faithfully,



**(Manish Kumar)  
Director General (Exam)**

## Revised Syllabus of C-6 Paper, Information Systems Audit of CPD-III

To be implemented w.e.f. Examination 1 of 2021

### 1. Information Systems Audit

#### 1.1. Information System Acquisition, Development and Implementation

- 1.1.1. Project Management- planning, execution, monitoring and closure
- 1.1.2. Governance structure, roles and responsibilities
- 1.1.3. System Development Life Cycle (SDLC) phases
- 1.1.4. Software Development methods
- 1.1.5. Hardware/ software acquisition processes and steps, Model RFP (MEITY)
- 1.1.6. IT services management (ITSM)
- 1.1.7. Business Continuity Planning (BCP)

#### 1.2. Governance and Management of Information Systems

- 1.2.1. Overview of frameworks- CoBIT framework, ISO 27000 series (security), ISO 38500 series (IT governance)
- 1.2.2. IT Act 2000 (and amendments) and rules issued thereunder
- 1.2.3. Aadhaar Act and Regulations issued thereunder
- 1.2.4. National Information Security Policy and guidelines
- 1.2.5. Digital India programme and e-Kranti mission

#### 1.3. Information System auditing process


- 1.3.1. 2020 CAG's Standing Order on Auditing in an IT Environment
- 1.3.2. Risk-Based IS Audit Planning
- 1.3.3. Types of Controls
  - 1.3.3.1. Control objectives and measures
  - 1.3.3.2. General and IS-specific controls
- 1.3.4. IS audit processes activities
- 1.3.5. Data Analytics- CAATs, Continuous auditing techniques

#### 1.4. Protection of Information assets

- 1.4.1. Identity and Access Management
- 1.4.2. Network and End-Point Security
- 1.4.3. Data Classification
- 1.4.4. Data Encryption and Encryption-Related Techniques, Public Key Infrastructure (PKI)
- 1.4.5. Information System Attack Methods and Techniques, OWASP Top 10 vulnerabilities
- 1.4.6. Security Testing Tools and Techniques
- 1.4.7. Security Monitoring Tools and Techniques
- 1.4.8. Incident Response Management

### 2. Suggested reading material/ references:

- 2.1. CoBIT framework by ISACA; overview of ISO 27001 and ISO 38500
- 2.2. CAG's Standing order on auditing in IT environment
- 2.3. WGITA-IDI handbook on IT audit for Supreme Audit Institutions
- 2.4. For 1.2, acts/ rules can be used for reading material.

  
Sr. AO (Exam)