



**OFFICE OF THE ACCOUNTANT GENERAL (AUDIT-I)
ODISHA: BHUBANESWAR**

OOO No :565

Date: 10.02.2021

Sub: Revised Syllabus of C-6 paper of Continues Professional Development Examination Stage III (CPD-III)

A copy of the Headquarters office Examination Wing Circular No 01 of 2021 dated 09.02.2021 issued vide No. 37/14-Exam/Syllabus Revision/2018 dated 09.02.2021, on the above mentioned subject is circulated for information of all concerned.

Encl: as above

Sd/-

Sr. Audit Officer/ Trg. & Exam

No.Trg& Exam. 02/07/CPD./20-21/ 409

Date : 10.02.2021

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10/2/21

S. Handa
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Revised Syllabus of C-6 Paper, Information Systems Audit of CPD-III

To be implemented w.e.f. Examination I 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

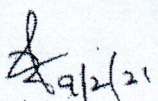
- 1.3.1. 2020 CAG's Standing Order on Auditing in an IT Environment
- 1.3.2. Risk-Based IS Audit Planning
- 1.3.3. Types of Controls
 - 1.3.3.1. Control objectives and measures
 - 1.3.3.2. General and IS-specific controls
- 1.3.4. IS audit processes activities
- 1.3.5. Data Analytics- CAATs, Continuous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