Annexure 'E' Course Contents

General Courses 2016-17

Sl.No	Course Name	Modules/Topic Covered	Preferred Participant Profile	Duration
1.	Audit of Functioning of Department	Briefing, Background, concept and objectives on Department Centric Audit. Risk evaluation and selection of CCOs/ DDOs Planning for Department Centric Audit. Execution of Department Centric Audit. Supervision and audit conclusions. Reporting of Department Centric Audit findings. Case Study.	SAOs/AOs/ AAOs	02 days
2.	Audit of PRIs/ULBs including Construction Works in ULBs & Receipts of ULBs	Panchayat Raj Institution (PRI): Introduction, organisational set up, constitution of Gram Panchayats (GPs), functions of GPs, Monitoring of GPs, audit mandate and audit of Assets-Management and works executed by GPs. Constitution for establishment of Kshetra Panchayat (KP) and Zila Panchayat (ZP), duties and functions of KP and ZP. Urban Local Bodies (ULBs): Introduction, composition of three tier ULBs, 74th Constitutional Amendment Act., 1992 & devolution of Powers. Formats of Accounting prescribed by C&AG. Audit of GP accounts and other relevant records. Preparation of Budget & its approval in ULBs. Audit of monthly/Annual accounts of ULBs. Fund Flow: - Grants in Aid and Loans from Central/State Governments to PRIs through different sources and provisions or withdrawals of Funds. Audit of ZP & KP accounts, Audit of Works accounts of ZP & KP. Case Study. Auditing Mandate & Auditing standards for audit of ULBs. Audit of various Taxes/Charges/ Licence fees levied by ULBs. Procedures for execution of works in ULBs and audit trail. Guide lines of CAG for Technical Guidance and Supervision (TGS)./ Auction procedures in ULBs. Audit of Works Accounts:- procedures for execution of Works by PRIs, works records viz., Project Register, Works Register, Cash Book, Tender/Contract Bonds etc. Accounting system followed in ULBs, concept of accrual basis of accounting, preparation of Receipt & Payment/Income & Expenditure accounts, trial balance and Balance sheet including closing of accounts. Management of land, environmental issues in	SAOs/AOs/ AAOs	05 days

			PRIs/ULBs works and receipts of PRIs. Case Study.		
3.	Statistics	and	Descriptive Statistics:	SAOs/AOs/	05 days
٥.	Sampling	in	What is data? (Qualitative vs. Quantitative data):,	AAOs	05 days
	Audit	111	What is an Attribute?, Frequency distribution of	71105	
	Tidate		data.		
			Concept of random variable.		
			Measure of Central Tendency (Mean, median, and		
			Mode): Concept, measure & applicability,		
			Measure of Dispersion (Range, Standard Deviation		
			& Coefficient of variation): Concept, measure &^		
			applicability		
			Classical definition of probability: Concepts with		
			examples, Probability distribution (Binomial,		
			Poisson & Normal Distribution): Concept &		
			applicability		
			Practical:		
			Using Excel /IDEA package demonstrate different		
			statistics using live data and interpret the statistics		
			to draw conclusions about the distribution of the		
			data		
			Statistical Sampling:		
			What is statistical Sampling?, How it is different		
			from judgmental and convenience sampling?,		
			Advantage of statistical sampling.		
			What is a Random Number Table? Its relevance in		
			statistical sampling and concept of sampling		
			frame.		
			Different techniques of statistical sampling:		
			Simple Random Sampling (SRS), Systematic		
			Random Sampling, concept, definition and		
			applicability.		
			Methodology of drawing samples using SRS &		
			systematic (both) Linear Systematic and Circular		
			systematic) using a) Random Number Table & b)		
			using IDEA package. Estimation formulae for estimation of population		
			average, total and proportion of an attribute and		
			corresponding estimation of standard errors:		
			(only the formulae to be state, without proof)		
			Demonstration with various examples is very		
			important.		
			Statistical Sampling (contd.):		
			Probability Proportional to Size (PPS) sampling:		
			concept, definition & applicability.		
			Different techniques of drawing samples for PPS		
			design (Cumulative Total method, Prof. Lahiriøs		
			method of drawing samples).		
			PPS 6 Systematic sampling & its method of		
			drawing samples.		
			Demonstration may be given with examples		
			Estimation formulae for estimation of population		
			average, total and corresponding estimation of		
			standard errors & concept of multiplier in		
			sampling.		
			(only the formulae to be stated without proof)		
			Practical:		
			Problems on selection of samples and evaluation		1

			•	1
		of few characters of interest using SRSWR,		
		SRSWOR, Systematic, PPS and PPS- systematic		
		design.		
		Statistical Sampling (contd.)		
		Stratification in sampling		
		Cluster Sampling.		
		Stratification vs. Cluster Sampling		
		Advantage of stratification.		
		Estimation formulae under stratification		
		Demonstrate with examples.		
		Multistage Statistical Sampling, with particular		
		reference to two-stage sampling: Concepts &		
		applicability.		
		Estimation formulae using two-stage design-		
		(a) 1 st stage as PPSWR and 2 nd stage as SRSWOR.		
		(b) SRSWOR in both the stages		
		Practical:		
		Selection of samples under a two-stage stratified		
		design from a given set of data and estimation of		
		two characteristics of the population from the		
		selected sample.		
		Audit Sampling:		
		What is Statistical Audit Sampling		
		Its advantages in audit		
		The risk of statistical sampling		
		Attribute vs. Variable Sampling		
		Attribute sampling plan, determination of optimum		
		sample size along with concepts of confidence		
		level, precision & population deviation rate.		
		Variable Sampling plan determination of optimum		
		sample size along with concepts of confidence		
		level, precision & population standard deviation. Un-stratified Mean Per Unit.		
		Stratified Mean Per Unit.		
		Concept of alpha & beta risk & their relevance in		
		audit hypothesis testing.		
		Concept of tolerable misstatement & materiality in		
		audit hypothesis testing. Compliance test vs.		
		Substantive test in audit		
		Monetary Unit Sampling (MUS) & Demonstration		
		of planning and selection of samples using IDEA.		
		Practical examples of selection of samples using		
		IDEA-MUS.		
		Risk assessment & sampling in audit		
		Risk based analysis & the risk model in audit.		
		Risk perception as input to statistical sampling		
		Case Studies		
		Discussion on risk assessment and statistical		
		sampling with case studies		
4.	Certification/	Introduction to FAA, Audit Mandate, etc.	SAOs/AOs/	05 days
	Financial Attest	Element and broad principles of accounting and	AAOs	
	Audit	basics of financial management in the entity		
		Understanding the entity and the IT environment		
		of the entity		
		Role of Internal control and Internal audit in the		
		entity with discussion on Case Studies.		
		Audit Planning, Audit Planning Memorandum		
		Identification of significant and non-significant		
-		·	•	

_				
5.	Audit of Public Private Partnership Projects	audit areas with discussion on Case Studies Materiality and Risk assessment with discussion on Case Studies Audit Programme-Function and importance of audit programme Audit sampling and Analytical techniques with Case Studies Supervision and control- Standards and structure of supervision and methods of review and assurance required from the review of audit work. Auditing Standards of the CAG of India in particular and INTOSAI Standards Field work- Manner in which field audit is carried out and audit evidence is collected Auditing Standards of documentation and filing system and procedures Accounting Standards and disclosure requirements-Major accounting standards of ICAI and awareness about the existence of others Principal of reporting-Reporting requirement and how to improve audit reporting with case study Drafting, summarization, conclusion and overview with case study Public Private Partnership(PPP): An Overview: Introduction, PPP& Types of PPP Projects (PPPPs), PPP and Private Finance Initiatives (PFI), Procurement of Goods & Services, PPP and Privatization. Requisites for success of PPP Projects, Objectives of PPP, Role of Private Sector Partners in PPP Projects, PPP Audit in different (Infrastructure) sectors. Institutional Arrangements for Appraisal and Approval of PPP Projects: Organisational structure for the appraisal and approval of PPP Projects, Financial Power of PPP Approval Committee (PPPAC),Procedure for formulation and appraisal of PPP Projects, Appraisal by /Approval of PPPAC, Financial support to PPPPs in infrastructure. Model Concession Agreements (MCA), Institutional arrangements in State Government. Scope and Objectives of PPP Audit: Scope of PPP Audit, its objectives, types of documents to be audited, accessing the documents and records of private partner by auditors, when PPPs should be	SAOs/AOs/ AAOs	05 days
		in infrastructure. Model Concession Agreements (MCA), Institutional arrangements in State Government.		
		PPP Audit, its objectives, types of documents to be audited, accessing the documents and records of		
		Mandate of Audit and Accessionity of Fectius. Mandate for Public audit of PPPPs, International Auditing Standard and Guidelines for the audit of PPPPs, PPP audit and Performance Auditing Guidelines, Identifying and sharing & risks, Audit Planning and Selection of PPPPs for audit.		
		Auditing Process and Criteria for PPP audit: Process- flow of PPP arrangements, Audit		

r	T		T	
		Methodology, Audit of PPPPs, Audit of		
		Concessions and Concession Period, Audit of		
		Risk, Audit of Viability Gap Funding(VGF)		
		Audit of Tariff/Toll/User charges, Audit of total		
		project cost, Audit of bidding and evaluation.		
		Commercial and Revenue PPPs Audit,		
		Reporting Audit findings and		
		Recommendations:		
		Audit of construction of projects activities, audit of		
		commercial department, audit of operation,		
		maintenance, development and the collection of		
		revenue, Auditing PPP for Value for Money		
		Evaluation, audit of valuation of assets. Audit		
		finding and Reporting, Audit recommendations.		
		Case Study.		
6.	Workshop on	Recruitment Rules, Procedure for direct	SAOs/AOs/	06 days
	Establishment	recruitment and transfer on deputation.	AAOs	
	and	Reservation in recruitment and promotion.		
	Administration	Maintenance of post based roster ó L shape roster.		
		Procedure for de-reservation of reserved points.		
		Promotion policies. Departmental Promotion		
		Committees. Selection and non-selection		
		promotion. Sealed cover procedure.		
		Maintenance of APAR. Reporting and Review of		
		APARs. Custody of APARs. Communication of		
		adverse remarks and Record Management		
		Code of Conduct for Central Govt. servants-		
		Analytical exposition of the CCS (Conduct) Rules		
		1964 and various GOI decisions thereunder.		
		Prevention of Corruption Act, 1988- Salient		
		features, various orders and instructions issued by		
		GOI/CCCBC/CAG on vigilance matters		
		Suspension, Deemed Suspension and		
		entitlements and regularization. Unauthorized		
		absence FR 17&17 A		
		Preliminary Inquiry/Show cause notices, Framing		
		of Charge Sheet		
		Disciplinary proceedings- Inquiry proceedings and		
		Inquiry report. Major and Minor Penalties under		
		CCS (CCA) Rules.		
		Role of Inquiry and Presenting officer in inquiry		
		proceedings. Examination and cross Examination		
		of witness. Action on Inquiry report		
		Discussion on Case studies and Case Laws		
		Types of Personal claims, AC and DC bills- their		
		processing and time limit.		
		Record management- Preservation and Weeding		
		out of old records Office Budgeting Departmental Accounting		
		Office Budgeting- Departmental Accounting		
		System, General Financial Rules 2005, Delegation		
		of Financial Powers Rules1978		
		Central Govt. Accounts (Receipts and Payments)		
		Rules 1963, Preparation of R.E. & B.E. and		
		Control over Expenditure. Staff proposal.		
		Purchase Procedure- Procurement of goods and		
		services, contracts, security deposits, power of		
		HOD. Introduction to Code of Ethics, RTI Act.		
	•		•	

7.			~ . ~ ~ .	
, ·	Environmental	1. Environment and Climate Change.	SAOs/AOs/	04 days
	Auditing	2.International Treaties and conventions on	AAOs	
		Environmental safeguards and Climate Change		
		3. Organization and policy initiatives for		
		Environmental protection and Climate Change in		
		India.		
		4. Environmental Auditing (EA) and Climate		
		Change; Planning and process.		
		5. Audit of Biological Diversity and Air Pollution.		
		6. Audit of Waste Management.		
		7. Audit of Climate change.		
		8. Audit of Coastal Zone Management, Water		
		pollution/Case Study		
		9. Field Visit		
8.	Audit Quality	1. Introduction to AQMF ``and its broad	SAOs/AOs/	03 days
0.		_		05 days
	Management	parameters.	AAOs	
	Framework	2. Leadership and Direction 6 Core values and		
	(AQMF)	auditing standards.		
		3. Strategic Planning, Portfolio and risk		
		Management.		
		4. Capacity building, personnel welfare and		
		benefits.		
		5. Audit Management and relationship with		
		clients.		
		6. Audit planning, execution, reporting and follow		
		up.		
		7. Continuous Improvement through Internal		
		Audit.		
		8. Internal Quality assurance and Peer Review		
9.	Audit of Public	Public Works Department (PWD): Introduction,	SAOs/AOs/	05 days
	Works and	Works and Projects, functions, organizational set	AAOs	
	Projects	up, accounting system and submission of account		
	including	records, audit by Accountants General- mandate		
	Irrigation	and systems of audit.		
	Irrigation Projects	and systems of audit. Initial records to be maintained in a PW office.		
	Irrigation Projects	Initial records to be maintained in a PW office.		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE),		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA).		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates.		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including procedures and provisions for dealing arbitration		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including procedures and provisions for dealing arbitration matters.		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including procedures and provisions for dealing arbitration matters. Audit of PW: Central Audit- Audit notes, local		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including procedures and provisions for dealing arbitration matters. Audit of PW: Central Audit- Audit notes, local inspection-Scrutiny of records- analysis of a		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including procedures and provisions for dealing arbitration matters. Audit of PW: Central Audit- Audit notes, local inspection-Scrutiny of records- analysis of a specific work, issue of audit memo, Preparation of		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including procedures and provisions for dealing arbitration matters. Audit of PW: Central Audit- Audit notes, local inspection-Scrutiny of records- analysis of a specific work, issue of audit memo, Preparation of Audit Inspection Reports and their Submission to		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including procedures and provisions for dealing arbitration matters. Audit of PW: Central Audit- Audit notes, local inspection-Scrutiny of records- analysis of a specific work, issue of audit memo, Preparation of Audit Inspection Reports and their Submission to AG w.r.t. scheduled programme.		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including procedures and provisions for dealing arbitration matters. Audit of PW: Central Audit- Audit notes, local inspection-Scrutiny of records- analysis of a specific work, issue of audit memo, Preparation of Audit Inspection Reports and their Submission to AG w.r.t. scheduled programme. Audit of Stores and Stock in light of various		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including procedures and provisions for dealing arbitration matters. Audit of PW: Central Audit- Audit notes, local inspection-Scrutiny of records- analysis of a specific work, issue of audit memo, Preparation of Audit Inspection Reports and their Submission to AG w.r.t. scheduled programme. Audit of Stores and Stock in light of various guidelines issued by the C&AG.		
		Initial records to be maintained in a PW office. Duties and power of Executive Engineer (EE), Assistant Engineer (AE), Junior Engineer (JE) and Divisional Accountant (DA). Works Execution: Administrative Approval and Financial Sanction, Planning, Preliminary Estimate, Detailed Estimate, Technical Sanction of Estimates. Important check points to be examined in the PW audit relating to works executed through Piece Works Agreement (PWA), Work Order, and Contract Agreements viz., comparative cost and variance analysis. Arbitration Law including procedures and provisions for dealing arbitration matters. Audit of PW: Central Audit- Audit notes, local inspection-Scrutiny of records- analysis of a specific work, issue of audit memo, Preparation of Audit Inspection Reports and their Submission to AG w.r.t. scheduled programme. Audit of Stores and Stock in light of various		

_			1	1
		Procedures including deviations from it, if any.		
		Case Study- Irrigation Project.		
		Review of irrigation Projects contød.		
		Review of Large Projects (other than Irrigation):		
		Introduction, definitions, methodology, audit		
		findings and recommendations with a case study.		
		Audit of Central Government Sponsored Scheme-		
		Introduction, methodology for audit and		
		submission of Audit Report.		
		Case Study- Pradhan Mantri Gramin Sadak Yojna.		
		Manpower audit in PWD/or as decided by the		
		Course Director.		
		Audit of PW Deposits and Transfer Entries (TE)		
		including checking of fictitious TEs.		
		Works Analysis: Introduction, records related to		
		the particular work, methodology, process and		
		techniques.		
		Audit of Suspense and Remittance Balances in		
		PWD, reconciliation of Divisional Transactions		
		with Treasuries & Banks and scrutiny of Form-51		
		and Bank Reconciliation Statements.		
		Thrust areas in Audit of PW and Projects including		
		Irrigation Projects to be explored for finding		
		potential audit findings.		
		Salient features of Performance Audit of PWs and		
		projects including Irrigation Projects.		
		Drafting and finalising of Performance Audit		
		Report on Public Works and Projects including		
		Irrigation Projects.		
-				
10.	Audit Reporting	1 Introduction to Audit Reporting: Covers key	SAOs/AOs/	03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2	SAOs/AOs/ AAOs	03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence)		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers:		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective Working Papers		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective Working Papers Linkage between report, audit objective and		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective Working Papers Linkage between report, audit objective and working papers		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective Working Papers Linkage between report, audit objective and		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective Working Papers Linkage between report, audit objective and working papers Case Study		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective Working Papers Linkage between report, audit objective and working papers Case Study 4 Balanced and Fair Reporting: Focus is on:		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective Working Papers Linkage between report, audit objective and working papers Case Study 4 Balanced and Fair Reporting: Focus is on: Characteristics of Audit evidence		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective Working Papers Linkage between report, audit objective and working papers Case Study 4 Balanced and Fair Reporting: Focus is on: Characteristics of Audit evidence Balanced and Fair reporting		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective Working Papers Linkage between report, audit objective and working papers Case Study 4 Balanced and Fair Reporting: Focus is on: Characteristics of Audit evidence Balanced and Fair reporting Consideration of audited agenciesø response and		03 days
10.	Audit Reporting	aspects of audit reporting as detailed in Level 2 and Level 3 of ISSAIs 2 Components of an audit paragraph: Focuses on following components of a paragraph in a report-Audit Criteria Condition (Evidence) Cause Effect Audit Conclusion Recommendation Case Study 3 Link between Report, Audit Objectives and Working Paper: Emphasis is on the linkage between audit objectives identified at the planning stage and the audit report. Covers: Audit Objectives & Issue Analysis Reporting against audit objective Working Papers Linkage between report, audit objective and working papers Case Study 4 Balanced and Fair Reporting: Focus is on: Characteristics of Audit evidence Balanced and Fair reporting		03 days

		audit reporting requirements as envisaged in ISSAI		
		4100. Case Study. 6 Audit Report 6 Language and Structure: This		
		covers:		
		Audit Memos, Inspection Reports and Audit		
		Reports sequencing audit findings and structuring an audit		
		paragraph		
		common pitfalls in the language used in audit		
		reports		
		7 Style Guide: Focus is on the key requirements of the Style Guide issued by the Headquarters.		
11.	Seminar on	I An Introduction to Performance Audit. Issues	SAOs/AOs/	05 days
11.	Performance	of Economy, Efficiency and Effectiveness.	AAOs	os days
	Audit	Objective of Performance Audit.		
		Elements of Performance Audit.		
		Assurance and Confidence in Performance		
		Auditing.		
		Outcomes of performance audits.		
		General outlay of Performance Auditing		
		Guidelines. Case Study. (Chapter-I of Performance Auditing Guidelines		
		2014)		
		Mandate and General Principles for Performance		
		Audit.		
		General Principles, Ethics and Independence,		
		Audit Approach, Audit Criteria, Audit Risk.		
		Communication.		
		Skills, Professional judgement, due care and		
		scepticism. Quality Control, Materiality,		
		Documentation. Case Study. (Chapter-II of Performance Auditing Guidelines		
		2014)		
		Strategic Audiut Planning and Selection of Audit		
		Topics.		
		Strategic Audit Planning, Objective of strategic Audit planning, Strategic Audit Planning Process.		
		Annual Audit Planning Process, Selection of Audit		
		Topics. Interaction with audited entities and other		
		stakeholders.		
		Periodic updating of the date and the risk profile.		
		Case study.		
		(Chapter-III of Performance Auditing Guidelines 2014)		
		Planning Individual performance audits		
		Understanding the entity/programme		
		Defining Audit Objectives		
		Scope of Audit		
		Determining the Audit Criteria		
		Deciding Audit Approach and Methods. Case		
		Study. Daysloping Audit Questions		
<u></u>		Developing Audit Questions		

Assess audit team skills Utilisation of outside expertise.

Audit Design Matrix

Establish the timetable and resources

Intimation of Audit

Refinement or narrowing of objective and criteria.

Flexibility in the Audit programme.

Case Study / Group Discussion.

(Chapter-IV of Performance Auditing Guidelines 2014)

Implementing the Performance Audit

Entry Conference, Issuance of Engagement letter, Field audit process, Entry Meeting, Data Collecting & Analysis.

Developing audit findings and conclusions, Developing recommendations, Audit Finding Matrix, Exit Meeting, and Supervision. Case Study / Group Discussion (Chapter-V of Performance Auditing Guidelines 2014)

2014)
Evidence and Documentation

C&AG of Indias auditing standards, Competence, Relevance, Sufficiency, Factors affecting the evidence,

Types of Evidence, Sources of Evidence, Documentation, Working papers, Audit File Case Study & Group Discussion (Chapter-VI of Performance Auditing Guidelines 2014)

The Reporting Process

Performance Audit.

Reporting Process, Audit observation, Draft audit report, Response of the entity, Exit Conference, Third party consultations, Observations of the headquarters on draft report.

Draft Final Report, Final report, Characteristics of a good report, Structure of the report, Enhancing the presentation and readability of the reports, Audit implementation cycle, Timelines of

Case study & Group Discussion.

(Chapter-VII of Performance Auditing Guidelines 2014)

Follow-up of performance audits.

Objective of the follow up programme, Assisting the Legislature, Effectiveness assessment, Continuous Improvement, Inventory of recommendations, Annual follow-up programme Case study & Group Discussion (Chapter-VIII of Performance Auditing Guideline 2014).

Potential impacts of performance audit and Thematic audit and quality assurance.

Case study & Group Discussion

Internal Introduction to Internal Controls Evaluation Manual Manual Introduction to Components of Internal Control 6 Control environment and control activities. Introduction to Components of Internal Control 6 Risk assessment. Introduction to Components of Internal Control 6 Information and communication and monitoring. Role of Internal Audit in Internal Control Audit Methodology. Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control General Control General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. SAOs/AOs/ AAOs AAOs 13. Auditing Introduction to ISSAIs Level Two ISSAIs Level Two ISSAIs Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Fenormance Audit ISSAIs on Compliance Au	rols Manual. Introduction to Component			03 days
Evaluation Manual Introduction to Components of Internal Control 6 Control environment and control activities. Introduction to Components of Internal Control 6 Risk assessment. Introduction to Components of Internal Control 6 Information and communication and monitoring. Role of Internal Audit in Internal Control. Role of External Audit in Internal Control. Audit Methodology. Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control-Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. Introduction to ISSAIs Level Two ISSAIs IssAls on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Force and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Central Excise Levy,	Introduction to Compone		AAOS	
Manual Control environment and control activities. Introduction to Components of Internal Control 6 Risk assessment. Introduction to Components of Internal Control 6 Information and communication and monitoring. Role of Internal Audit in Internal Control. Role of External Audit in Internal Control. Audit Methodology. Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs Level Two ISSAIs Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Levisble, Levy,		ite of Internal Control ó		
Introduction to Components of Internal Control 6 Risk assessment. Introduction to Components of Internal Control 6 Information and communication and monitoring. Role of Internal Audit in Internal Control. Role of External Audit in Internal Control. Audit Methodology. Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control-Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Standards Level Two ISSAIs Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Levisble, Levy,				
Risk assessment. Introduction to Components of Internal Control of Information and communication and monitoring. Role of Internal Audit in Internal Control. Role of External Audit in Internal Control. Audit Methodology. Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control-Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs Level Two ISSAIs Level Two ISSAIs (ISSAIs) Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Central Excise Levisole, Levy,				
Introduction to Components of Internal Control 6 Information and communication and monitoring. Role of Internal Audit in Internal Control. Role of External Audit in Internal Control. Audit Methodology. Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Standards (ISSAIs) Introduction to ISSAIs Level Two ISSAIs Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,		its of Internal Control o		
Information and communication and monitoring. Role of Internal Audit in Internal Control. Role of External Audit in Internal Control. Audit Methodology. Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control-Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Standards Level Two ISSAIs Level Two ISSAIs Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GO				
Role of Internal Audit in Internal Control. Role of External Audit in Internal Control. Audit Methodology. Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs Standards Level Two ISSAIs (ISSAIs) Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Omphiance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9				
Role of External Audit in Internal Control. Audit Methodology. Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Standards Level Two ISSAIs Level Two ISSAIs Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOS				
Audit Methodology. Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Standards (ISSAIs) Introduction to ISSAIs Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 I				
Understanding Audit Risk. Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs Standards (ISSAIs) Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 919	Role of External Audit in	nternal Control.		
Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs Level Two ISSAIs (ISSAIs) Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	Audit Methodology.			
Detailed Checklist for evaluation of Internal Control-General Check list, Relating to Cash Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs Level Two ISSAIs (ISSAIs) Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	Understanding Audit Risk			
Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs Level Two ISSAIs Level Two ISSAIs (ISSAIs) Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Firefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,				
Management, Relating Budget and Expenditure control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs Level Two ISSAIs Level Two ISSAIs (ISSAIs) Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Firefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,				
control, Relating to Accounting. Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs Level Two ISSAIs (ISSAIs) Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Fields on Customs, Central Excise and Service Tax - Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,		•		
Detailed Checklist for evaluation of Internal Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs				
Control- Personnel Administration, Internal Audit, Stores and Grant-in-aids & Loans. 13. Auditing Introduction to ISSAIs Level Two ISSAIs Level Two ISSAIs (ISSAIs) Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Taxe, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,				
Stores and Grant-in-aids & Loans. 13. Auditing Standards (ISSAIs) Level Two ISSAIs Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 Sriefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Central Excise Act, 1944, Duties Leviable, Levy,				
Sandards Level Two ISSAIs Level Two ISSAIs Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI				
Standards (ISSAIs) Level Two ISSAIs ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,		Loans.	G + C - ' - '	02:
IESAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	8			03 days
ISSAIs on Financial Attest Audit ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Central Excise Act, 1944, Duties Leviable, Levy,			AAOs	
ISSAIs on Financial Attest Audit ISSAIs on Performance Audit ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	,			
ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	ISSAIs on Financial Attes	Audit		
ISSAIs on Performance Audit ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	ISSAIs on Financial Attes	Audit		
ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	ISSAIs on Performance A	ıdit		
ISSAIs on Compliance Audit ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	ISSAIs on Performance A	ıdit		
ISSAIs on Compliance Audit INTOSAI GOV 9100 9199 INTOSAI GOV 9100 9199 14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,				
INTOSAI GOV 9100 9199 14. Audit of CERA, Briefing on Customs, Central Excise and Service GST and ACES Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,				
INTOSAI GOV 9100 9199 14. Audit of CERA, Briefing on Customs, Central Excise and Service GST and ACES Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	-			
14. Audit of CERA, GST and ACES Briefing on Customs, Central Excise and Service AAOs Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,				
GST and ACES Tax -Basis for Taxation, Direct Taxes and Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,			SAOs/AOs/	05 days
Indirect Taxes, Features of Indirect Tax, Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,				os days
Constitutional Validity, Administration and Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,		· ·	711103	
Relevant Procedures, Common aspects of Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	The state of the s	,		
Customs, Central Excise and Service Tax Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,				
Constitutional Background, Laws Relating to Central Excise Central Excise Act, 1944, Duties Leviable, Levy,				
Central Excise Central Excise Act, 1944, Duties Leviable, Levy,	*			
Central Excise Act, 1944, Duties Leviable, Levy,		id, Laws Relating to		
Collection & Exemptions from Excise Duty.	Central Excise Act, 1944	Duties Leviable, Levy,		
et Entirpuono nom Entire Daty,	Collection & Exemptio	ns from Excise Duty,		
Goods, Excisability of Plant & Machinery, Waste	Goods, Excisability of Pl	nt & Machinery, Waste		
and Scrap, Manufacture, Manufacturer	and Scrap, Manufacture,	Manufacturer		
Classification of Goods	-			
Valuation of Goods, Valuation in case of Job	Valuation of Goods. V	aluation in case of Job		
Work óRule 10A, Some Critical Issues in Central	· · · · · · · · · · · · · · · · · · ·			
Excise, Assessable Value under Section 4, Value	· · · · · · · · · · · · · · · · · · ·			
Based on Retail Sale Price, MRP Based Valuation,				
Assessment under Central Excise Law, Procedural		·		
Aspects under Central Excise Duty, Refund &				
Other Important Provisions, Other Procedures in		s, Other Procedures in		
Central Excise	Central Excise			
Excise Audit, Warehousing, Export Benefits and				
Procedures, Excise on Small Scale Industries,	Procedures. Excise on			
Demands and Penalties, Appeals	· · · · · · · · · · · · · · · · · · ·	1-		Ì
	· · · · · · · · · · · · · · · · · · ·	ppears		
	· · · · · · · · · · · · · · · · · · ·	ppears		

	T			
		Important Provisions of Central Excise Rules,		
		2002, Important Rules of Central Excise Valuation		
		Rules,2000, Rules of Classification		
		Background of Cenvat Credit, Highlights of		
		Cenvat Credit Scheme, Utilization of Cenvat		
		Credit, Reversal of Cenvat Credit, Refund of		
		cenvat Credit, Obligation of a manufacturer or		
		Producer of final Products and a provider of		
		taxable services, Input service Distributors,		
		Documents and Accounts, Other Provisions		
		Introduction of Custom Duties, Type of Custom		
		Duties, Valuation inCustoms, Methods of		
		Valuation, Export Goods- Valuation for		
		Assessment, Self assessment on basis of :Risk		
		Management Systemø (RMS), Procedures for		
		Import, Procedures for Export, Transit and		
		Transhipment of Goods, Exemptions and		
		Remission		
		Refund of Customs Duty, Warehousing in		
		Customs, Provisional Assessment of Duty,		
		Baggage, Courier and Import and Export through		
		Post Drawback, Other provisions in Customs,		
		Project Imports, Offences, Power and Penalties under Custom		
		under Custom		
		Export Promotion Schemes, Duty Drawback, EOU		
		and Similar Schemes, Special Economic Zones,		
		Advance Authorisation, Duty Entitlement Pass		
		Book Scheme (DEPB Scheme), Duty Free Import		
		Authorisation, EPCG Authorisation, Foreign Trade		
		Policy, Administration of Policy by DGFT,		
		Import/Export Authorisation, Export Promotion		
		Councils, Policy for Import of Goods, Restrictions		
		on Exports		
		Introduction, Registration Under Service Tax,		
		Reverse Charge, Brand Name of Another Person,		
		Payment of Service Tax, Rate of Service Tax,		
		Invoices Under Service Tax, Records to be		
		Maintained, Automation of Central Excise and		
		Service Tax (ACES), Electronic Accounting		
		System in Excise and Service Tax (EASTEST),		
		Negative List & Exempted Services, Point of		
		Taxation, Taxable Event in Service Tax, Place of		
		Provision of Service Rules, Valuation Rules,		
		Important Issue under Service Tax Provisions, E-		
		Payment of Service Tax, Self-Adjustment of		
		Excess Tax Paid, Special Audit, Return, Penalties,		
15	A 3°4 - C	Adjudication & Appeals, Role of GST	CAO=/AO=/	06 4
15.	Audit of	Legal Framework for Audit of Autonomous Bodies	SAOs/AOs/ AAOs	06 days
	Autonomous	Preparation of Financial Statements	AAUS	
	Bodies(SAR)	Common Format of Accounts and Financial		
		Statements		
		Audit checks for certification of Annual Accounts		
		of ABs. Accounting Standards prescribed for ABs.		
	1	of 1100. 11000 until 5 building proscribed for ADS.	<u> </u>	I

16.	General Management	Format of SAR/Audit Certificate of ABs. Drafting and contents of draft SAR/Management letter Finalizations of SARs Case Study Evaluation of Internal Control Mechanism Ethics Understanding Management Creativity Internal Personal relationship Conflict Management Personality Development and Dedication Time & Stress Management Environment awareness, Trekking trip Team Management & Leadership Managing Change. Syndicate Presentation, Experience sharing.	SAOs/AOs/ AAOs	06 days
17.	All India Seminar on Government Accounting including GASAB and Accrual Accounting	1. What are accounts? 2. Introduction to initial accounts. 3. Purpose & importance of accounting in Government. 4. Role of Comptroller & Auditor General of India 5. Responsibility of Accountant General 1. Historical evolution of the Institution of the CAG 2. CAG powers as enshrined in Constitution and in the CAG (DPC) Act of 1971. 3. Duties of the Accountant General (Accounts and Entitlement) in respect of accounts of a State government. 1. The main divisions of government accounts; 2. The main features of how the government transactions are exhibited in final accounts. In this session we will discuss the various prescribed steps in the compilation of accounts in the Indian Audit and Accounts Department. 1. Receipt of initial accounts. 2. Check of initial accounts. 3. Compilation of accounts. 4. Maintenance of Classified and Consolidated Abstracts session we will discuss: a) the procedure for receipt and check of compiled accounts from Public Works Divisions and Forest Division; b) incorporation of these compiled accounts into the Government Accounts; c) Classified and Consolidated Abstracts of Public Works and Forest transactions. In this session we will discuss: In this session we will discuss accounting of transactions under the Debt, Deposit and Remittance Heads and check exercised in Accounts Offices to ensure accuracy of balances under these heads. a) accounting of transactions under the Debt, Deposit and Remittance Heads;	SAOs/AOs/ AAOs	04 days

ensure accuracy of balances under Debt, Deposit and Remittance Heads. 1. What is a Transfer Entry? 2. Preparation of Transfer Entry Pook During this session we will discuss: 1. Objective and concepts underlying financial statements 2. Financial Statements of Government or Finance Accounts of Government. During this session we will discuss: 1. Objective and concepts underlying Appropriation Accounts: 2. Form and Content of Appropriation Accounts; 3. Reconciliation of figures appearing in the Finance Accounts with those appearing in the Appropriation Accounts. 1. Role of Reserve Bank of India in Government Accounting: 2. Inter Government and inter departmental adjustments; 3. Checks and balances. In this session we will discuss the voucher level computerization in Indian Audit and Accounts Department. 1. Limitation of manual system of compilation of accounts; 2. Usefulness of Voucher Level Computerization; 3. Basic formats in which data is entered. In this session we will discuss during training. In this session we will discuss feedback on trainers of this course. The course will end with distribution of certificates to participants. 18. Audit of Procurement and Cortificates to participants in this session we will discussed during training. In this session we will denote the trainers of this course. The course will end with distribution of certificates to participants. 19. Handling of Contract Management Role of Internal Finance in Procurement and Contract Management Role of Internal Finance in Procurement and Contract Management Role of Internal Finance in Procurement and Contract Management Role of Internal Finance in Procurement assess and Overview of Important Provisions of Delegation of Financial Power of UP and MP State Process of e-procurement CVC Guidelines on Procurement Role of Internal Finance in Procurement assess and Processes of e-procurement CVC Guidelines on Procurement Procurement of Gordaffing and filling of replies, AAOs			I	I	T
questions on the subject discussed during training. In this session we will discuss feedback on trainers of this course. The course will end with distribution of certificates to participants. 18. Audit of Procurement and Contract Management Management Procurement Mode of Procurement of Goods and Services- Definition of Goods, Fundamental principles of public buying Different mode of Procurement of Goods and Services Contract Management- Standard conditions of contract including Post Contract Management Role of Internal Finance in Procurement cases An Overview of Important Provisions of Delegation of Financial Power of UP and MP State Process of e-procurement CVC Guidelines on Procurement and Contracts 19. Handling of Complaint cases and their disposal Procedure for drafting and filing of replies, AAOs			ensure accuracy of balances under Debt, Deposit and Remittance Heads. 1. What is a Transfer Entry? 2. Preparation of Transfer Entry. 3. Object of Transfer Entry. 4. Maintenance of Transfer Entry Book During this session we will discuss: 1. Objective and concepts underlying financial statements; 2. Financial Statements of Government or Finance Accounts of Government. During this session we will discuss: 1. Objective and concepts underlying Appropriation Accounts; 2. Form and Content of Appropriation Accounts; 3. Reconciliation of figures appearing in the Finance Accounts with those appearing in the Appropriation Accounts. 1. Role of Reserve Bank of India in Government Accounting; 2. Inter Government and inter departmental adjustments; 3. Checks and balances. In this session we will discuss the voucher level computerization in Indian Audit and Accounts Department. 1. Limitation of manual system of compilation of accounts; 2. Usefulness of Voucher Level Computerization; 3. Basic formats in which data is entered. In this session we will conduct a written test. The		
18. Audit of Procurement and Contract Management Management Introduction to Delegation of Financial Power Rules 1978 Important Provision of GFR related to Procurement of Goods and Services- Definition of Goods, Fundamental principles of public buying Different mode of Procurement Mode of Tendering for Procurement of Goods and Services Contract Management- Standard conditions of contract including Post Contract Management Role of Internal Finance in Procurement cases An Overview of Important Provisions of Delegation of Financial Power of UP and MP State Process of e-procurement CVC Guidelines on Procurement and Contracts 19. Handling of Court Cases Introduction to Delegation of Financial Power Rules 1978 Important Provision of Goods, Fundamental principles of public buying Different mode of Procurement of Goods and Services Contract Management Role of Internal Finance in Procurement cases An Overview of Important Provisions of Delegation of Financial Power of UP and MP State Process of e-procurement CVC Guidelines on Procurement and Contracts SAOs/AOs/ O2 days Procedure for drafting and filing of replies, AAOs			test paper will consist of objective and descriptive questions on the subject discussed during training. In this session we will discuss feedback on trainers		
Rules 1978 Important Provision of GFR related to Procurement of Goods and Services- Definition of Goods, Fundamental principles of public buying Different mode of Procurement of Goods and Services Contract Management- Standard conditions of contract including Post Contract Management Role of Internal Finance in Procurement cases An Overview of Important Provisions of Delegation of Financial Power of UP and MP State Process of e-procurement CVC Guidelines on Procurement and Contracts 19. Handling of Complaint cases and their disposal Procedure for drafting and filing of replies, AAOs			distribution of certificates to participants.		
contract including Post Contract Management Role of Internal Finance in Procurement cases An Overview of Important Provisions of Delegation of Financial Power of UP and MP State Process of e-procurement CVC Guidelines on Procurement and Contracts 19. Handling of Court Cases Complaint cases and their disposal Procedure for drafting and filing of replies, AAOs	18.	Procurement and Contract	Rules 1978 Important Provision of GFR related to Procurement of Goods and Services- Definition of Goods, Fundamental principles of public buying ,Different mode of Procurement Mode of Tendering for Procurement of Goods and Services		03 days
19. Handling of Complaint cases and their disposal SAOs/AOs/ O2 days Procedure for drafting and filing of replies, AAOs			Contract Management- Standard conditions of contract including Post Contract Management Role of Internal Finance in Procurement cases An Overview of Important Provisions of Delegation of Financial Power of UP and MP State Process of e-procurement CVC Guidelines on		
	19.		Complaint cases and their disposal		02 days
affidavit and counter affidavit, etc. before		Court Cases	Procedure for drafting and filing of replies, affidavit and counter affidavit, etc. before	AAOs	

		Courts/Tribunals Case Study on Court cases relating to GPF (Case Study-I) Case Study on Court cases relating to GPF(continued) Case Study-II		
20.	Seminar on Right to Information Act	Purpose and perspective effects of Right to Information Act (RTI) Transparency and accountability in administration. Salient features of the RTI Act. Procedure regarding when & how to use the Act. Exclusion under RTI Act, Information exempted from disclosure under the Act, areas out purview of the Act. Appeal provisions in the Act. Constitution, powers and function of Central and State Information Commission. Penalty provisions of the Act. Case study with an example.	SAOs/AOs/ AAOs	03 days
21.	Refresher Course for AOs	CAG® (DPC Act) 1971-Various sections relating to Accounts and Audit matters Code of Ethics RTI Act Role of Supervisory officers relating to Administrative and functional fields. Writing of APARs-Reporting, Reviewing and communication of adverse entries. Introduction to CCS(Conduct)Rules and CCS(CCA) Rules, Office Procedure , Record Management Leadership/ Motivation/communication qualities.	AOs	03 days
22.	Settlement of Suspense and Remittance Balances and Maintenance of Broadsheets	Concept of suspense balances. Effect of suspense balances on Government Accounts. Concept of remittances. Forest remittances-remittances into treasury, forest cheques and other remittances (items adjustable by civil, items adjustable by forest). Procedure for settlement. GD/ Exercises Broadsheet of Treasury suspense- OB suspense, DAA Suspense. Reasons of outstanding and procedures for settlement of Broadsheets. GD/ Exercises Broadsheets of PW Remittances- Remittances into treasury, PW cheques, other remittances (item adjustable by civil and items adjustable by PWD).GD/Exercises. Voucher level computerization, Generation of Broadsheet, Effectiveness of VLC in settlement of suspense balances to ensure accuracy in Government Accounts.GD/Exercises. Demonstration of VLC Software on compilation of accounts and generation of	SAOs/AOs/ AAOs	05 days

	T	1 1.1 CD/E		
		broadsheet.GD/Exercise.		
		Broadsheets of deposit heads of accounts bearing		
		interest and not bearing interest. Broadsheets of		
		PLA. Analysis of difference and settlement of		
		outstanding balances. GD/ Exercises		
		Broadsheet of long term advances- House Building		
		Advance and Motor Car Advance. Reasons for		
		outstanding balances under HBA Suspense and		
		MCA Suspense. Broadsheets of PF Suspense and		
		LA Suspense. GD/ Exercises		
		Broadsheets of PAO Suspense and procedure for		
		maintenance of Broadsheet of RBS headquarters,		
		Broadsheets of CAO, RB Suspense. Procedure for		
		settlement of suspense balances. Broadsheet of		
		cheques and bills. GD/ Exercises		
		Concept of RBD cash balances of state		
		Government. Maintenance of Broadsheet of RBD.		
		GD and exercises		
22	Cominor or		SAOs/AOs/	02 derre
23.	Seminar on	Importance of VLC Project and its various	SAOs/AOs/ AAOs	03 days
	VLC &	Functions. Brief introduction to its various	AAOs	
	Generation of	modules and Audit using VLC data.		
	Accounts and	Accounting of treasury a/c using VLC software		
	Audit using	Capturing of data in Treasury Compilation		
	VLC Data	Module, Processing and Proving, Deficiencies		
		generally noticed in treasury accounts causing		
		problems in proper accounting and remedial		
		measures		
		Working of Compilation General in receiving of		
		accounts from Treasury and their distribution to		
		VLC sections.		
		LOP and CASH accounts? Capturing of LOP and		
		Cash Accounts in VLC Package and reconciliation		
		of LOP/CA.		
		Master data, interface, system security,		
		administration and a brief discussion on VLC		
		hazards.		
		Various reports that can be generated through		
		VLC		
		Visit to VLC site of A.G.(A&E-I) U.P. for getting		
		firsthand information of treasury accounts.		
		Visit to VLC site of AG (A&E-II) U.P. Allød. for		
		getting firsthand information Works and Forest		
		accounts		
		Discussion on various aspects of VLC Modules.		
		Doubts and query.		
24.	Workshop on	Indian Financial System: Fiscal Policy, Legislative	SAOs/AOs/	05 days
47.	Financial	control, Federal division of powers, Budget,	AAOs	05 days
	Management	Accounts, Plan and non-plan expenditure, Audit,	AAOS	
	Management	etc.		
		Budget Meaning ó Introduction, Annual Financial		
		Statement; Financial Year; elements of a budget		
		Budget Process - Budgetary control, New Service,		
		New Instrument of Service, Vote on account,		
		Supplementary, Re-appropriations, Excess grants,		
		etc.		
		Budget Scope - Charged and Voted, Revenue and		
		Capital and Plan and Non-Plan.		
		Compilation of Accounts ó Introduction - Part I		
			_	

Consolidated Fund, Part II Contingency Fund, Part	
III Public Account and Coding system	
Compilation of Accounts ó Overview of	
compilation in AG (A&E)	
Compilation of Accounts ó Account Current	
Compilation of Accounts ó Works and Forest	
Compilation of Accounts ó Loans and Deposits	
Finance Accounts ó Definition, Structure of	
Finance Accounts, Explanation of general checks	
to be exercised for the preparation of Finance	
Accounts	
Finance Accounts ó Notes to Accounts in Finance	
Accounts, Hqrs instructions and linkage between	
statements	
Finance Accounts ó Discussion on various	
statements of finance accounts	
Finance Accounts - Discussion on various	
statements of finance accounts and exercises	
Appropriation Accounts - Original,	
Supplementary, Re-appropriation, New Service	
and New Instrument of Service and Structure of	
appropriation accounts.	
Appropriation Accounts - points to be seen during	
audit of Appropriation Accounts and exercise	

Course Contents IT Courses 2016-17

Sl no	Course Name	Modules/Topic Covered	Preferred Participant Profile	Duration
1.	MS Office (Level-I course)	1. Introduction to Computers, Overview of Windows O.S. 2. MS Word: (a) Creation, saving, formatting character, paragraph, page, page break, creating column (b) Spell check, Find and Replace, word Automatic Functions and its settings (c) Bullet including multiple layer of bullets, Border and shadings (d) Creation and editing Paragraph and character styles, headers and footers, footnotes etc. (e) Creating Simple and complex table, formatting, editing table, applying formula. (f) Creating chart and graph, mail merge. 3. MS Excel: (a) Creating, saving, entering different data type, Editing, Formatting, applying borders and shading. (b) Applying Arithmetical formula, Cell reference, creating simple chart, importing and exporting data, sorting data. Creating chart and its formatting. 4. MS Access: (a) Introduction to Database Management, Overview of Access, Create Tables, Modify Tables Define validations in tables and lookup wizards, Data entry/manipulation in tables, Filter, sort, delete records, Creation of Simple Forms. (b) Set relationship between tables, Basic Queries Create queries with single condition, duplicate query, append query, make table query) Demo on creation of Reports. 5. Power Point: (a) Overview of Power Point. Create a new presentation, Use different slide formats, Enter both Text and Graphics, Save a slide show, Working with colors and Transitions, Animation and sound.	Any Group -Cøand Group -Bø officials/ Officers	08 days
2.	Audit in IT	Ice Breaking Session	(For AAOs/	06 days
2.	Environment	Entry Knowledge Test (EKT) Understanding IT environment- Challenges and opportunities Importance of controls with specific reference to Application Controls Introduction to CAATs of IDEA and Excel Excel as data analytic tool- Features of Excel (we intend to cover the aspects relating to following underlining the purpose for which these are used as Audit Tool) Conditional formatting Filter including Advanced filter Pivot Table Excel functions of User defined functions Numeric Text Conditional Date and time Financial Aggregation Creating Projects of Managed and External, Import	AOs/ Sr.AOs. only)	oo days

			1	
		of data from diverse formats óExcel, Access, csv, text; understanding data using the field statistics, Checking validity of data through Control totals, creating current documentation of tasks performed using the history property, Project Overview. Importing of PDF/PRN Data, Importing data using ODBC, Indexing of Data ó Quick Index, Composite Index, Sorting Data. Field Manipulation in IDEA ó Append, Remove, Modify columns ó Data types ó Virtual, Non Virtual, Editable, Enabling/Disabling deletion of non-virtual fields Analysis Basic data analysis in IDEA ó Duplicate Key Detection/Exclusion, Gap Detection, Summarization. Data Extraction ó Direct Extraction, Key value extraction, Top/Bottom Records extraction, Indexed Extraction Working with multiple databases ó Join, Visual Connector, Append, Compare. Commonly used @ Functions in IDEA, introduction to #functions Stratification of Data, Aging analysis, Sampling Exporting Data from IDEA to other formats, Creating and Printing Reports in IDEA Way Forward ó Overview of Qlikview Way Forward -Overview of Tableau		
3.	Advance Course On MS Access (Level-II Course)	1. Introduction to DBMS and RDBMS. Concept of Database & Table. 2. Overview of Access, creating database, Objects of MS Access, Creating table in design, datasheet view, define field type, modifying, editing field, define field properties, applying validation in a field. 3. Primary key concept & indexes. Data entry through input mask, Validation, Adding, Editing &deleting Records, Hiding column Freezing columns. 4. Creating Relationship between Tables, Adding OLE objects Fields to a Table. Importing & Exporting data between other programs ó dbase IV Text files, MS Excel. Data Entry Shortcuts. 5. Creating Relationship between Tables, Adding OLE objects Fields to a Table. Importing & Exporting data between other programs ó dbase IV Text files, MS Excel. Data Entry Shortcuts. 6. Creating Queries through Design and datasheet view, Simple Query wizard Sorting. Query Criteria. Query properties & Field Properties. Queries using SQL commands and functions cross tab query and duplicate query. 7. Form Design using Auto form ó Columnar / Tabular / Datasheet view. Form Design through form wizard, Form Design without Form wizards Adding &Editing labels. 8. Bound Unbound and Calculated Controls in Forms. Text Box Controls, Combo box, List Box Controls. Creating a single Column Report & Group Data Report through Report Wizard, creation of switchboard 9. Creating a Report and Adding Controls, Sorting & Grouping through Design view Report Header, Page Header, Detail Footer etc. Adding Graphs to reports. 10. What is Macro, Creating a simple macro, Use of	Those who are trained in MS Office	08 days

	1	Constitute in Assess Breezing	I	
		functions in Access. Page ins etc. 11. Database security viz user and group permission,		
		password etc.		
		12. Demonstration of some sample database software.		
		1		
4.	Advance Course on MS Excel	1. Features of MS Excel, Starting MS-Excel, Creating/Opening Workbooks, Moving around in a Work	Those who are trained in	07 days
	(Level-II	Sheets & Work Book, Saving and closing a workbook,	MS Office	
	Course)	Finding a workbook, Moving around a sheet, Inserting &	1/15 011100	
	,	deleting sheets, Renaming sheets, Moving & Copying		
		sheets, Page Setup, Print Preview, Printer setup, Various		
		printing commands.		
		2. Data Entry Techniques, Entering Text/ Numbers/Date &		
		Time, Creating a series, Customizing Auto Fill, Editing a worksheets, Checking spelling, hiding and Unhiding		
		columns, rows and gridlines, Finding & Replacing Text/		
		Numbers, Checking Spellings, Header/Footer, Page No.,		
		Footnotes, Inserting line, Boxes, Auto-shapes, objects,		
		WordArt etc. on Worksheet.		
		3. Cell Referencing, Ranges, creating formulae, Copying		
		and Moving Formulas.		
		Applying formulas and functions in Excel sheet, Protecting, hiding and Unhiding worksheet / Cells/		
		Columns/ranges and its content, Sorting and filtering work,		
		Sorting data in list, Filtering a list Using Auto Filter,		
		Copying Filtered data to another location, Working with		
		filtered list, Automatic subtotals sorting Subtotaled list.		
		Preparing a Subtotaled list as a report.		
		4. Linking of worksheets, Controlling calculations,		
		Aligning worksheet data, Formatting worksheets, Formatting Fonts, Applying Borders, Patterns and colours,		
		Number, date and time Format, Copying Formats, Using		
		styles to save and apply format combinations, Apply		
		format automatically, Importing worksheet in MS-Word.		
		5. Creating, modifying and formatting chart, Enhancing		
		Charts, Saving Custom Chart Formats.		
		6. Understanding Lists & Databases: Defining Lists, Records & Fields, Working with databases, formatting		
		labels, Creating a database, Entering data using data entry		
		form, Data validation parameters, Error messages,		
		Importing and exporting data to/from MS Excel.		
5.	IDEA	1. Basics of Data structures, IDEA: An Overview,	Those who	5 days
	(Level-II	Whatøs on the IDEA Screen, Application windows	have	
	Course)	and toolbars	undergone	
		Getting started: Essential of data Downloading,	training in Level-I	
		including exercise 1,	Course	
		2. Use of IDEA features followed by Exercise to		
		practice analysis function for checking duplicates,		
		indexing, summarizing and checking field statistics.		
		(Exercise 2), 3. Exercise related with downloading of MS		
		ACCESS database file, creation of virtual fields,		
		duplicate recordsø detection and record extraction.		
		(Exercise 3)		
		4. Use of IDEA features followed by Exercise to practice		
		IDEA features useful in conduct of Financial Audit.		
		5. Using @ Functions in IDEA		
		6. Exercise 6: Use of IDEA in Value for Money		
		Audit.		
		7. Exercise 7: Use of IDEA in Accounts Receivable		
		Audit		
		8. Exercise 8: Use of IDEA in Accounts Payable		

		Audit and Fraud Investigation		
		9. ODBC Connectivity using IDEA Software		
		10. Exercise : 9 ó Use of IDEA in detailed Inventory		
		System Audit and detect outdated stocks and missing		
		inventory items		10.1
6.	Workshop on	1. Overview of Windows O.S. and its use.	Those who	o 10 days
	IT Audit &	2. SYSTEM DEVELOPMENT LIFE CYCLE and its audit 3. Various General IT Controls and Application Controls,	have undergone	
	IDEA (level-	Audit points.	training i	n
	III course)	4. Performance Audit in IT Environment.	Level-I and	
		5. Overview of IDEA, various features and functions of	Level-II	
		IDEA.	courses.	
		6. Downloading, including exercise 1,Use of IDEA		
		features followed by Exercise to practice analysis function		
		for checking duplicates, indexing, summarizing and		
		checking field statistics. (Exercise 2), 7. Using @ Functions in IDEA		
		8. Exercise related with downloading of MS ACCESS		
		database file, creation of virtual fields, duplicate recordsø		
		detection and record extraction. (Exercise 3)		
		9. Exercise to practice IDEA features useful in conduct of		
		Financial Audit. (Exercise 4).		
		10. Exercise 5: Use of IDEA in Financial Audit.		
		11. Exercise 6: Use of IDEA in Value For Money Audit. 12. Exercise 7: Use of IDEA in Accounts Receivable		
		Audit, downloading of prn file in idea.		
		13. Exercise 8: Use of IDEA in Accounts Payable Audit		
		and Fraud Investigation.		
		15. Exercise 9 : Use of IDEA in Inventory Audit.		
		16. Import of data applying ODBC for database maintained		
		in ORACLE, MS ACCESS, MS EXCEL etc. 17. IS security guidelines of headquarters.		
7.	IT Concepts,	Significance of Information Technology In Audit &		/ 00 1
			I Group ≟B	ø i ux davs
- •	MS-Office &	Accounts.	Group :B Officers	ø 08 days
	- · · · · · · · · · · · · · · · · · · ·	Accounts. 2. Concepts of Information, Computer and its components,		Ø 08 days
	MS-Office &	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a		Ø 08 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser		ø 08 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers,		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer.		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single &		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz.		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows;		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc.		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents,		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents, Header & Footer, Mail Merge,		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents, Header & Footer, Mail Merge, 7. Page numbering, page break, bullets and numbering,		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents, Header & Footer, Mail Merge, 7. Page numbering, page break, bullets and numbering, Borders and Shading		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents, Header & Footer, Mail Merge, 7. Page numbering, page break, bullets and numbering, Borders and Shading 8. Creating and formatting Worksheet, Formatting Cells,		ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents, Header & Footer, Mail Merge, 7. Page numbering, page break, bullets and numbering, Borders and Shading 8. Creating and formatting Worksheet, Formatting Cells, Applying simple formulas 9. Overview of Database Management Systems, Difference		ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents, Header & Footer, Mail Merge, 7. Page numbering, page break, bullets and numbering, Borders and Shading 8. Creating and formatting Worksheet, Formatting Cells, Applying simple formulas 9. Overview of Database Management Systems, Difference between RDBMS & DBMS, Overview of MS-Access-		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents, Header & Footer, Mail Merge, 7. Page numbering, page break, bullets and numbering, Borders and Shading 8. Creating and formatting Worksheet, Formatting Cells, Applying simple formulas 9. Overview of Database Management Systems, Difference between RDBMS & DBMS, Overview of MS-Access-Creating database, Table, Primary key, Validations checks		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents, Header & Footer, Mail Merge, 7. Page numbering, page break, bullets and numbering, Borders and Shading 8. Creating and formatting Worksheet, Formatting Cells, Applying simple formulas 9. Overview of Database Management Systems, Difference between RDBMS & DBMS, Overview of MS-Access-Creating database, Table, Primary key, Validations checks etc,		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents, Header & Footer, Mail Merge, 7. Page numbering, page break, bullets and numbering, Borders and Shading 8. Creating and formatting Worksheet, Formatting Cells, Applying simple formulas 9. Overview of Database Management Systems, Difference between RDBMS & DBMS, Overview of MS-Access-Creating database, Table, Primary key, Validations checks etc, 10. Creation of Queries, Forms and generation of reports in		Ø U8 days
	MS-Office & Internet	Accounts. 2. Concepts of Information, Computer and its components, Computer Classifications, Different components of a Digital Computer, Stand alone Systems and Multiuser Systems, Various peripherals used with Computers, Storage concepts in computer, Organization of files in computer. 3. Concepts of Software, Types of Software, Computer Languages, Operating System Concepts, Task of Operating Systems, Difference of Operating Systems in Single & Multi User Systems, Brief idea about various OS viz. DOS, Unix, Windows etc 4. Definition of GUI. Windows an overview. Components of Windows; 5. Overview of Ms-Word: Word processing, preparing documents and its editing. Formatting page, paragraph and Character etc. 6. Creating and formatting table, Printing documents, Header & Footer, Mail Merge, 7. Page numbering, page break, bullets and numbering, Borders and Shading 8. Creating and formatting Worksheet, Formatting Cells, Applying simple formulas 9. Overview of Database Management Systems, Difference between RDBMS & DBMS, Overview of MS-Access-Creating database, Table, Primary key, Validations checks etc,		Ø U8 days

			•	
		12. Computer communication need for data transmission over distances. Networking of computer, LANs its need and advantages, sharing resources (computer files & equipment). Inter user communication, cost, training, upkeep and security. Types of LANs and Transmission media. Introduction on WAN, definition and uses. 13. Introduction to the Internet, Internet facilities (email, world wide web -wwwø and e-commerce) and Web Browsers connecting Internet and Surfing the Net etc. 14. Creation of Email Account, Sending and Receiving Mails with some practice 15. IT Security and its importance. & the Security Policy of IA & AD.		
8.	Introductory training on "Red Hat Linux, Oracle 11g with Developer11g, Report11g" (Phase-I)	É Get Started with the GNOME Graphical Desktop Objective: Get started with GNOME and edit text files with gedit É Manage Files Graphically with Nautilus Objective: Manage files graphically and access remote systems with Nautilus É Get Help in a Graphical Environment Objective: Access documentation, both locally and on-line É Configure Local Services Objective: Configure the date and time and configure a printer É Manage Physical Storage I Objective: Understand basic disk concepts and manage system disks É Manage Logical Volumes Objective: Understand logical volume concepts and manage logical volumes É Monitor System Resources Objective: Manage CPU, memory, and disk utilization É Manage System Software Objective: Manage system software locally and using Red Hat Network (RHN) É Get Started with Bash Objective: Understand basic shell concepts, execute simple commands, and use basic job control technique É Get Help in a Textual Environment Objective: Use man and info pages and find documentation in /usr/share/doc É Establish Network Connectivity Objective: Understand basic network concepts; configure, manage, and test network settings É Administer Users and Groups Objective: Understand Linux file system hierarchy and pathnames; manage files from the Command Line Objective: Understand Linux file system hierarchy and pathnames; manage files from the Command line É Secure Linux File Access Objective: Understand Linux file access mechanisms; manage file access from the GUI and the command line É Administer Remote Systems Objective: Share and connect to a desktop; use SSH and rsync É Configure General Services Objective: Manage services; configure SSH and remote desktops É Manage Physical Storage II Objective: Manage file system attributes and swap space	Those who have undergone training in Level-I courses.	12 days
		É Install Linux Graphically		

Objective: Install Red Hat Enterprise Linux and configure the system with first boot Manage Virtual Machines Objective: Understand basic virtualization concepts; install and manage virtual machines Control the Boot Process Objective: Understand run levels and manage GRUB Deploy File Sharing Services Objective: Deploy an FTP server and a web server Secure Network Services Objective: Manage a firewall; understand SELinux concepts and manage SELinux Comprehensive Review Objective: Get a hands-on review of the concepts covered in this course. Getting Started with the Classroom Environment Objective: Given a virtualized environment, begin to administrate multiple systems using prerequisite skills Enhance User Security Objective: Configure system to use Kerberos to verify credentials and grant privileges via sudo Bash Scripting and Tools Objective: Automate system administration tasks utilizing Bash scripts and text-based tools File Security with GnuPG Objective: Secure files with GnuPG Software Management Objective: Use yum plugins to manage packages; understand the design of packages; build a simple package Network Monitoring Objective: Profile running services, then capture and analyze network traffic Route Network Traffic Objective: Configure system to route traffic and customize network parameters with sysctl Secure Network Traffic Objective: Secure network traffic through SSH port forwarding and ip tables filtering/network address translation (NAT) NTP Server Configuration Objective: Configure an NTP server System Monitoring and Logs Objective: Manage local file system integrity; monitor systems over time and system logging Centralized Secure Storage Objective: Access centralized storage (iSCSI) and encrypt file systems SSL-encapsulated Web Services Objective: Understand SSL certificates and deploy an SSLencapsulated web service Web Server Additional Configuration Objective: Configure a web server with virtual hosts, dynamic content, and authenticated directories **Basic SMTP Configuration** É Objective: Configure an SMTP server for basic operation (null client, receiving mail, smart host relay) Caching-Only DNS Server Objective: Understand DNS resource records and configure a caching-only name server File Sharing with NFS Objective: Configure file sharing between hosts with NFS File Sharing with CIFS Objective: Configure file and print sharing between hosts with CIFS

File Sharing with FTP Objective: Configure file sharing with anonymous FTP **Troubleshooting Boot Process** Objective: Understand the boot process and recover unbootable systems with rescue mode A brief about 3 tier Architecture, Weblogic including difference between Oracle 8i and Oracle 11g and a brief about DBMS and RDBMS Introduction to Oracle Database: ÉList the features of Oracle Database 11g ÉDiscuss the basic design, theoretical, and physical aspects of a relational database Écategorize the different types of SQL statements ÉDescribe the data set used by the course ÉLog on to the database using SQL Developer environment Ésave queries to files and use script files in SQL Developer Retrieve Data using the SQL SELECT Statement: ÉList the capabilities of SQL SELECT statements ÉGenerate a report of data from the output of a basic SELECT statement Éselect All Columns Éselect Specific Columns **Ú**Jse Column Heading Defaults **Ú**Se Arithmetic Operators **Ú**Inderstand Operator Precedence Éearn the DESCRIBE command to display the table structure Éearn to Restrict and Sort DataWrite queries that contain a WHERE clause to limit the output retrieved List the comparison operators and logical operators that are used in a WHERE clause ÉDescribe the rules of precedence for comparison and logical operators ÉUse character string literals in the WHERE clause ÉWrite queries that contain an ORDER BY clause to sort the output of a SELECT statement Ésort output in descending and ascending order Usage of Single-Row Functions to Customize Output: ÉDescribe the differences between single row and multiple row functions ÉManipulate strings with character function in the SELECT and WHERE clauses ÉManipulate numbers with the ROUND, TRUNC, and MOD functions ÉPerform arithmetic with date data ÉManipulate dates with the DATE functions Invoke Conversion Functions and Conditional Expressions ÉDescribe implicit and explicit data type conversion HUse the TO_CHAR, TO_NUMBER, and TO_DATE conversion functions ÉNest multiple functions ÉApply the NVL, NULLIF, and COALESCE functions to ÉUse conditional IF THEN ELSE logic in a SELECT **Data Manipulation Statements:**

ÉChange rows in a table by the UPDATE statement ÉDelete rows from a table with the DELETE statement

Épescribe each DML statement Énsert rows into a table Ésave and discard changes with the COMMIT and

ROLLBACK statements

Éxplain read consistency

The SET Operators:

ÉDescribe the SET operators

ÚJse a SET operator to combine multiple queries into a single query

ÉControl the order of rows returned

Aggregate Data Using the Group Functions:

Úse the aggregation functions to produce meaningful reports

ÉDivide the retrieved data in groups by using the GROUP BY

clause

Éxclude groups of data by using the HAVING clause

Display Data From Multiple Tables Using Joins:

ÉWrite SELECT statements to access data from more than one table

ÉView data that generally does not meet a join condition by using

outer joins

Hoin a table to itself by using a self join

Use Sub-queries to Solve Queries:

É Describe the types of problem that sub-queries can solve

ÉDefine sub-queries

ÉList the types of sub-queriesÉWrite single-row and multiple-row sub-queries

Use of DDL Statements to Create and Manage Tables:

Éategorize the main database objects

Review the table structure

List the data types available for columns

ÉCreate a simple table

ÉDecipher how constraints can be created at table creation

ÉDescribe how schema objects work

Other Schema Objects:

Éreate a simple and complex view

ÉRetrieve data from views

Éreate, maintain, and use sequences

Écreate and maintain indexes

Éreate private and public synonyms

Control User Access:

Édifferentiate system privileges from object privileges

ÉCreate Users

ÉGrant System Privileges

ÉCreate and Grant Privileges to a Role

Change Your Password

ÉGrant Object Privileges

How to pass on privileges?

ÉRevoke Object Privileges

Management of Schema Objects

ÉAdd, Modify, and Drop a Column

ÉAdd, Drop, and Defer a Constraint

How to enable and Disable a Constraint?

ÉCreate and Remove Indexes

ÉCreate a Function-Based Index

ÉPerform Flashback Operations

ÉCreate an External Table by Using ORACLE_LOADER and by Using ORACLE_DATAPUMPÉQuery External Tables

Manage Objects with Data Dictionary Views

Éxplain the data dictionary

ÉUse the Dictionary Views

ÉUSER_OBJECTS and ALL_OBJECTS Views

ÉTable and Column Information

Query the dictionary views for constraint information

Équery the dictionary views for view, sequence, index and synonym information

ÉAdd a comment to a table

ÉQuery the dictionary views for comment information Regular Expression Support

HS the Regular Expressions Functions and Conditions in SOL

Úse Meta Characters with Regular Expressions

Perform a Basic Search using the REGEXP_LIKE function

Find patterns using the REGEXP_INSTR function

Éxtract Substrings using the REGEXP_SUBSTR function Éxeplace Patterns Using the REGEXP_REPLACE function

ÚJsage of Sub-Expressions with Regular Expression Support

Émplement the REGEXP_COUNT function

Introduction to PL/SQL:

ÉWhat is PL/SQL

ÉPL/SOL Environment

ÉBenefits of PL/SQL

Óverview of the Types of PL/SQL blocks

Écreate and Execute a Simple Anonymous Block

ÉGenerate Output from a PL/SQL Block

ÉSQL*Plus as PL/SQL Programming Environment

Declaring PL/SQL Identifiers:

Hidentify the Different Types of Identifiers in a PL/SQL subprogram

ÉUse the Declarative Section to Define Identifiers

ÉList the Uses for Variables

Éstore Data in Variables

ÉDeclare PL/SQL Variables

Writing Executable Statements:

ÉDescribe Basic Block Syntax Guidelines

HUse Literals in PL/SQL

ÉCustomize Identifier Assignments with SQL Functions

Huse Nested Blocks as Statements

ÉReference an Identifier Value in a Nested Block

ÉQualify an Identifier with a Label

ÉUse Operators in PL/SQL

Úse Proper PL/SQL Block Syntax and Guidelines

Interacting with the Oracle Server:

Hdentify the SQL Statements You Can Use in PL/SQL

Énclude SELECT Statements in PL/SQL

ÉRetrieve Data in PL/SQL with the SELECT Statement

ÉAvoid Errors by Using Naming Conventions When Using

Retrieval and DML Statements

ÉManipulate Data in the Server Using PL/SQL

ÉThe SQL Cursor concept

É Úse SQL Cursor Attributes to Obtain Feedback

on DML Save and Discard Transactions

Writing Control Structures:

ÉControl PL/SQL Flow of Execution

ÉConditional processing Using IF Statements

ÉConditional Processing CASE Statements

Handle Nulls to Avoid Common Mistakes

Build Boolean Conditions with Logical Operators

Úse Iterative Control with Looping Statements

Working with Composite Data Types:

ÉLearn the Composite Data Types of PL/SQL Records and Tables

HUse PL/SQL Records to Hold Multiple Values of Different Types Énserting and Updating with PL/SQL Records HUSE INDEX BY Tables to Hold Multiple Values of the Same Data Type Using Explicit Cursors: ÉCursor FOR Loops Using Sub-queries Éncrease the Flexibility of Cursors By Using Parameters ÉUse the FOR UPDATE Clause to Lock Rows Úse the WHERE CURRENT Clause to Reference the Current Row ÉUse Explicit Cursors to Process Rows Éxplicit Cursor Attributes Cursors and Records Handling Exceptions Handling Exceptions with PL/SQL **É**Predefined Exceptions ÉTrapping Non-predefined Oracle Server Errors Hunctions that Return Information on Encountered Exceptions ÉTrapping User-Defined Exceptions **É**Propagate Exceptions HUSE THE RAISE_APPLICATION_ERROR Procedure To Report Errors To Applications Single Row Function,-Character, Numeric, Date and Conversion Functions. Substitution Variable-Single, double and ampersand Creating Stored Procedures: Describe the block structure for PL/SQL stored procedures Hnvoke a stored procedure from an anonymous block or another stored procedure **ÉList the CREATE OR REPLACE PROCEDURE syntax** Hdentify the development steps for creating a stored procedure HUse the SHOW ERRORS command ÉView source code in the USER SOURCE dictionary view Creating Stored Functions: ÉDescribe stored functions ÉList the CREATE OR REPLACE FUNCTION syntax Hentify the steps to create a stored function Éxecute a stored function Hentify the advantages of using stored functions in SQL statements Hdentify the restrictions of calling functions from SQL statements ÉRemove a function Creating Packages: **É**List the advantages of packages ÉDescribe packages Éshow the components of a package Diagram the visibility of constructs within a package ÉDevelop a package ÉCreate the package specification ÉDeclare public constructs ÉCreate the package body Using More Package Concepts: **É**List the benefits of overloading Éshow overloading example ÉUse forward declarations in packages Écreate a one-time only procedure (package code initialization) Élist the restrictions on package functions used in SQL Éncapsulate code in a package demonstration

statement É

Creating Triggers:

Hnvoke a user-defined package function from a SQL

ÉUtilize the persistent state of package variables

Describe the different types of triggers and how they execute Élist the benefits and guidelines of using database triggers Éshow how triggers are executed with a basic database trigger example Éshow syntax and create DML triggers, and list the DML trigger components Éxplain the firing sequence of triggers Écreate a DML statement and row level triggers Úse the OLD and NEW qualifiers to reference column Úse conditional predicates with triggers. Introduction to File builder Menu, É Creating Forms using wizard and customize form, form Component- Canvas, É Frame, Window, É setting properties, É Object navigator, Layout editor, Creating Master-Detail Forms creating triggers for restricting data and validation, É alert, block, canvas, tabs, É Modes of operation-Enter Query, Normal, Query Mode, Designing application having single/two data block, staked canvas, Tab canvas, É Creating List of Values, Editors, É Visual Attributes, Input items, É text items, É Radio group, É Display items, É Check box, É Calculated items, É Push button, É sound item. É image item, É Trigger component & code, Message, É alert. É SQLERRM, É Library creation, É Item interaction Trigger, É Query Trigger, Validation Trigger, É Navigational Trigger, É Transactional Trigger É Menu, Function Key, É É É Mouse Event, Multiple Form application, form building. Introduction to Report Builder Component, É customizing report builder, É report editor, É Report wizard component, É Using Report Wizard, É Tabular Type, Form like, É Mailing Label, Form letter, É Group left, Group Above, É Matrix Type, Matrix with Group type, É Parameter creation etc. É Manual Development of Report, É Calling Report from a form, É Message development, É Message Handling Triggers, É Creating Menu and attaching forms and reports

to the Menu.

		f	I	
		É Handling Triggers (Navigation, Transactional,		
9.	MS Word and Power Point (Level-I Course)	Validation Trigger),. 1. Introduction to Computers, Overview of Windows O.S. and its application. 2. MS Word (creating new documents, opening an existing documents, entering text, Saving a document), Check spelling, editing text and formatting characters. MS Word (Formatting paragraphs, Formatting pages, formatting sections including Page Break, creating columns,). 3. Navigation in Word (Using Find & Replace, Using Go TO), Word Automatic functions (Auto Correct, Auto Format as you Type, Auto text, Auto Format, Auto Summarize), 4. Bullets & Numbering including multiple layer of bullets, Border & Shading, Paragraph and character styles, saving style information, Applying style with tool bar, Applying style with key board shortcut, removing style, creating style using dialog boxes, modifying style, using style gallery, Headers and footers, creating footnotes. 5. Creating Simple Table, Insert Row, Delete Row/Column, Split Cell, Formula, Create Graphs, mail merge, 6. Overview of Power Point. Create a new presentation, Use different slide formats, Enter both Text and Graphics, Save a slide show, Working with colors and Transitions, Animation and sound- Preset Animation, Custom Animation, Timing, Effects, Action Buttons / Settings /	Any Group -Cø and Group -Bø officials/ Officers	5 days
10	Dringiples of	Preview.	For those who	05
10.	Principles of Networking, Internet and Network Security (Level-II training)	1. Fundamentals of Networking, Difference between Single User and Multiuser systems, OS requirements, Different Network Models, Types of Networking, Networking topologies, Transmission media and other Networking Components 2. Configuring Networks, Different protocols used in Networking, Overview about IP Addresses, Creation of Workgroups, Granting access, Sharing and various permissions 3. Security concerns in networking (Virus threats, hacking etc.), Information Security, Information Security Services, Information Security Process. 4. Security Technologies (Firewall, Virtual Private Networks), Encryption Concepts, Intrusion Detection. 5. Introduction to the Internet, Requirements for Internet Connections, Various types of Internet Access, Internet facilities (email, world wide web ÷wwwø), and Web Browsers connecting Internet. 6. Introduction to Email, Creating Web based Email Accounts, Sending and receiving mails. 7. Brief Overview about e-commerce, e- governance etc., hands on practice on internet surfing. 8. Basic concepts of web designing and designing a website. 9. IA&AD Security Policy	For those who have undergone training in level-I courses.	05
11.	IT Security:	IT Security:	Those who	03 days
	Hardware and Software	 Security Fundamentals Importance of IT Security in the current IT Scenario Security Categories: Physical, Logical, Environmental and Operational Basic Goals: Prevention, Deterrence, Containment, Detection and Recovery Security of Hardware: Threats to IT Systems 	have undergone training in Level-I and Level-II courses.	

		- Calan Calan	<u> </u>	
		• Cyber Crime		
		• Ways to protect the System		
		Training		
		Security of Hardware:		
		• Location: Access vs Security, Rooms, Doors, Windows, Keys		
		• Environment: Radio Frequency Interference		
		(RFI), Cooling, Cabling, Power Natural Disasters: Fire, Flood, Lightning.		
		Security of Software:		
		• Security Concerns in networking		
		Virus threats, Types of Viruses, hacking etc.		
		• Information Security process		
		• Security Technologies: Fire wall, Virtual Private		
		Networks, Intrusion detection		
		Logon Authentication Access Control		
		Password Policies		
12.	Red Hat	É A brief about 3 tier Architecture, WebLogic	(Those who	10 days
	Linux, Oracle	including difference between Oracle 8i and Oracle 11g and	have done	,
	11g with	a brief about DBMS and RDBMS	Introductory	
	Developer11g	Introduction to Oracle Database:	training on	
	(Phase-II)	Hist the features of Oracle Database 11g	Red Hat Linux	
	Advance Level	Épiscuss the basic design, theoretical, and physical aspects	& Oracle 11g)	
		of a relational database Éategorize the different types of SQL statements		
		Édescribe the data set used by the course		
		Élog on to the database using SQL Developer environment		
		ÉSave queries to files and use script files in SQL Developer		
		É Review of PL/SQL commands		
		É Trigger component & code, Message,		
		É alert,		
		É SQLERRM,		
		É Trigger component & code, Message, É alert, É SQLERRM, É Library creation, É Item interaction Trigger, É Query Trigger, Validation Trigger, É Navigational Trigger, É Transactional Trigger		
		É Item interaction Trigger, É Query Trigger, Validation Trigger,		
		É Navigational Trigger,		
		É Transactional Trigger		
		É Menu, Function Key,		
		É Mouse Event,		
		É Multiple Form application,		
		É form building, in Oracle 11		
		É Mouse Event, É Multiple Form application, É form building, in Oracle 11 É Introduction to Report Builder Component, É customizing report builder, É report editor, É Report wizard component, É Using Report Wizard, É Tabulor Type, Form like, É Mailing Lebel, Form letter, É Group left, Group Above, É Matrix Type, Matrix with Group type, É Parameter creation etc.		
		É customizing report builder, É report editor,		
		É Report wizard component,		
		É Using Report Wizard,		
		É Tabulor Type, Form like,		
		É Mailing Lebel, Form letter,		
		É Group left, Group Above,		
		É Matrix Type, Matrix with Group type,		
		Practice Session É Manual Development of Report,		
		É Calling Report from a form,		
		É Message development,		
		É Message Handling Triggers,		
		É Creating Menu and attaching forms and reports		
		to the Menu,		
		Handling Triggers (Navigation, Transactional, Validation		

Trigger),

Exploring the Oracle Database Architecture

Óracle Database Architecture Overview

ÉOracle ASM Architecture Overview

ÉProcess Architecture

ÉMemory structures

Élogical and physical storage structures

Énstalling your Oracle Software

Tasks of an Oracle Database Administrator

ÉTools Used to Administer an Oracle Database

Énstallation: System Requirements

ÉOracle Universal Installer (OUI)

Énstalling Oracle Grid Infrastructure

Énstalling Oracle Database Software Creating an Oracle

Database Planning the Database

Practice Session

Using the DBCA to Create a Database

ÉPassword Management

ÉUsing the DBCA to Delete a Database

Managing the Oracle Database Instance

Éstart and stop the Oracle database and components

ÉUse Oracle Enterprise Manager

ÉAccess a database with SQLPlus

ÉModify database installation parameters

ÉDescribe the stages of database startup

ÉDescribe database shutdown options

ÉView the alert log

ÉAccess dynamic performance views

Manage the ASM Instance

Éset up initialization parameter files for ASM instance

Éstart up and shut down ASM instances

ÉAdminister ASM disk groups

Configuring the Oracle Network Environment

Huse Enterprise Manager to create and configure the

Listener

Énable Oracle Restart to monitor the listener

Úse thsping to test Oracle Net connectivity

Practice Session

Managing Database Storage Structures

Éstorage Structures

How Table Data Is Stored

ÉAnatomy of a Database Block

Éspace Management in Table spaces

ÉTable spaces in the Preconfigured Database

ÉActions with Table spaces Administering User Security

ÉDatabase User Accounts

Éredefined Administrative Accounts

Managing Data Concurrency

Énata Concurrency Énqueue Mechanism

ÉResolving Lock Conflicts Managing Undo Data

ÉTransactions and Undo Data

Hundo Data Versus Redo Data

ÉConfiguring Undo Retention

Practice session

Implementing Oracle Database Auditing

ÉDescribe DBA responsibilities for security

Énable standard database auditing

Éspecify audit options

Review audit information

ÉMaintain the audit trail Database Maintenance

ÉManage optimizer statistics

ÉManage the Automatic Workload Repository (AWR)

ÉUse the Automatic Database Diagnostic Monitor (ADDM)

30/32

Core Concepts and Tools of the Oracle Database

ÉASM Storage Concepts

Éconnecting to the Database and the ASM Instance

ÉDBA Tools Overview Configuring for Recoverability

Épurpose of Backup and Recovery (B&R), Typical Tasks and Terminology

ÉUsing the Recovery Manager (RMAN)

ÉConfiguring your Database for B&R Operations

Configuring and Managing Persistent Settings for RMAN

ÉConfiguring Autobackup of Control File

Practice session

Backup optimization

ÉAdvanced Configuration Settings: Compressing Backups

Éconfiguring Backup and Restore for Very Large Files

(Multisection)Creating Backups with RMAN

ÉRMAN backup types

ÉCreating and Using the following:- Backup Sets and

Image Copies- Whole Database Backup- Fast Incremental

Backup- Configure Backup Destinations Archival Backup

Restore and Recovery Task

ÉRestoring and Recovering

ÉCauses of File Loss

ÉAutomatic Temp file Recovery

Recovering from the Loss of a Redo Log Group

ÉRe-creating a Password Authentication File

ÉComplete and Incomplete Recovery

Practice Session

Using RMAN to Perform Recovery

ÉComplete Recovery after Loss of a Critical or Noncritical

Data File

Éncomplete Recovery

ÉPerforming Recovery with a Backup Control File

ÉRestoring from Autobackup: Server Parameter File and

Control File

ÉRestoring and Recovering the Database on a New Host

Diagnosing the Database

ÉData Recovery Advisor (DRA)

ÉAutomatic Diagnostic Repository (ADR)

Health Monitor

ÉThe ADR Command-Line Tool, ADRCI

Using Flashback Technology I

Flashback Technology: Overview and Setup

Úsing Flashback Technology to Query Data

ÍFlashback Table

ÉFlashback Transaction Query

ÉPerforming Flashback Transaction Backout Using

Flashback Technology II

ÉOracle Total Recall

Hashback Drop and the Recycle Bin

Performing Flashback Database

ÉConfiguring Flashback Database

ÉPerforming Flashback Database Operations

ÉMonitoring Flashback Database

Managing Memory

Óracle Memory Structures

Óracle Database Memory Parameters

ÉUsing Automatic Memory Management

ÉAutomatic Shared Memory Management

ÚIsing Memory Advisors

ÚIsing Data Dictionary Views & Practice

Managing Database Performance

ÉTuning Activities

ÚSing Statistic Preferences

Óptimizer Statistics Collection

ÉMonitor the Performance of Sessions and Services ÉDescribing the Benefits of Database Replay Managing Performance by SQL Tuning ÉSQL Tuning and SQL Advisors **Ú**Ising SQL Tuning Advisor ÉSQL Access Advisor ÉSQL Performance Analyzer Overview & Practice Managing Resources ÉDatabase Resource Manager: Overview and Concepts ÉAccessing and Creating Resource Plans ÉCreating Consumer Group Éspecifying Resource Plan Directives, including:- Limiting CPU Utilization at the Database Level- Instance Caging ÉActivating a Resource Plan ÉMonitoring the Resource Manager Automating Tasks with the Scheduler Simplifying Management Tasks& Practice Écreating a Job, Program, and Schedule Managing Space in Blocks Éree Space Management ÉMonitoring Space **É**Compressing Data Managing Space in Segments ÉSegment Creation on Demand ÉAdditional Automatic Space-Saving Functionalit ÉShrinking Segments ÉSegment Advisor ÉManaging Resumable Space Allocation Duplicating a Database ÉUsing RMAN to Create a Duplicate Database Écloning a Database from a Backup ÉDuplicate a Database Based on a Running Instance & Practice