

# LESSON PLAN

**Name of the Faculty :** MANISH

**Discipline :** CIVIL

**Semester :** 4<sup>TH</sup>

**Subject :** S.A-II (CE-202N)

**Lesson Plan Duration :** 15 weeks (from January, 2018 to April, 2018)

**Work Load (Lecture/Practical) per week (in hours):** Lectures - 03

WEEK	THEORY	
	LECTURE DAY	TOPIC  (including assignment / test)
<b>1st</b>	<b>1st</b>	Introduction, Static and Kinematic Indeterminacies,
	<b>2nd</b>	Castigliano's theorems
	<b>3rd</b>	Castigliano's theorems
<b>2nd</b>	<b>1st</b>	Strain energy method
	<b>2nd</b>	Analysis of frames with one or two redundant members using Castigliano's 2 <sup>nd</sup> theorem.
	<b>3rd</b>	Analysis of frames with one or two redundant members using Castigliano's 2 <sup>nd</sup> theorem.
<b>3rd</b>	<b>1st</b>	<b>Slope deflection</b> - introduction
	<b>2nd</b>	Analysis of continuous beams
	<b>3rd</b>	portal frames
<b>4th</b>	<b>1st</b>	Numerical related slope deflection method

<b>4th</b>	<b>2nd</b>	Numerical related slope deflection method
	<b>3rd</b>	Numerical related slope deflection method
<b>5th</b>	<b>1st</b>	<b>moment Distribution Methods:</b> introduction
	<b>2nd</b>	Portal frames with inclined members.
	<b>3rd</b>	Numerical related moment distribution method
<b>6th</b>	<b>1st</b>	Numerical related moment distribution method
	<b>2nd</b>	Numerical related moment distribution method
	<b>3rd</b>	<b>Assignment : above topic</b>
<b>7th</b>	<b>1st</b>	<b>Column Analogy Method:</b> Elastic centre
	<b>2nd</b>	Properties of analogous column,
	<b>3rd</b>	Applications to beam & frames.
<b>8th</b>	<b>1st</b>	Related numerical of above topic
	<b>2nd</b>	Related numerical of above topic
	<b>3rd</b>	<b>Analysis of Two hinged Arches: introduction</b>
<b>9th</b>	<b>1st</b>	Parabolic and circular Arches,
	<b>2nd</b>	Bending Moment Diagram for various loadings,
	<b>3rd</b>	Temperature effects, Rib shortening,
<b>10th</b>	<b>1st</b>	Axial thrust and Radial Shear force diagrams.
	<b>2nd</b>	Related numerical of above topic
	<b>3rd</b>	<b>Assignment of above topic</b>
<b>11th</b>	<b>1st</b>	<b>Unsymmetrical Bending : Introduction</b>
	<b>2nd</b>	Centroidal principal axes of sections,

	<b>3rd</b>	Bending stresses in beam subjected to unsymmetrical bending,
<b>12th</b>	<b>1st</b>	shear centre, shear centre for channel
	<b>2nd</b>	Angles and Z sections.
		Related numerical of above topic
<b>13th</b>	<b>1st</b>	<b>Cable and suspension Bridges: introduction</b>
	<b>2nd</b>	uniformly loaded cables,
	<b>3rd</b>	Temperature stresses,
<b>14th</b>	<b>1st</b>	three hinged stiffening Girder
	<b>2nd</b>	Related numerical of above topic
	<b>3rd</b>	Related numerical of above topic
<b>15th</b>	<b>1st</b>	two hinged stiffening Girder
	<b>2nd</b>	Related numerical of above topic
	<b>3rd</b>	Assignment of above topic

## LESSON PLAN

**Name of the Faculty :** RIMPI CHOPRA

**Discipline :** CIVIL

**Semester :** 4<sup>TH</sup>

**Subject :** D.S.S –I (CE-204N)

**Lesson Plan Duration :** 15 weeks (from January, 2018 to April, 2018)

**Work Load (Lecture/Practical) per week (in hours):** Lectures - 03

WEEK	THEORY	
	LECTURE DAY	TOPIC  (including assignment / test)
1st	1st	<b>Introduction:</b> Loads, structural steels and their specifications, structural elements, steel vs. concrete and timber
	2nd	design specifications as per IS: 800, structural layout, strength and stiffness considerations, efficiency of cross-section, safety and serviceability considerations.
	3rd	<b>RIEVTED CONNECTION: Riveting and bolting their types , failures of riveting joint, efficiency of a joint, ,</b>
2 <sup>nd</sup>	1st	<b>Design of riveted joint , advantages and disadvantages of riveted joint, Stress in bolts</b>
	2nd	<b>Welded connection, types of welded joints, design of welded joint , subjected to axial loads, welded joints subjected to eccentric loads</b>
	3rd	<b>Semi rigid and rigid connections.</b>
3rd	1st	<b>Design of tension members, introduction, types of tension</b>

<b>3rd</b>		<b>members, net sectional areas.</b>
	<b>2nd</b>	Design of tension members. Lug angles and splices.
	<b>3rd</b>	strength and stiffness considerations, efficiency of cross-section, safety and serviceability considerations.
<b>4th</b>	<b>1st</b>	<b>advantages and disadvantages of riveted joint, Stress in bolts</b>
	<b>2nd</b>	<b>subjected to axial loads, welded joints subjected to eccentric loads</b>
	<b>3rd</b>	structural elements, steel vs. concrete and timber.
<b>5th</b>	<b>1st</b>	<b>Design of compression members:</b>
	<b>2nd</b>	Introduction, effective length and slenderness ratio , various types of section used for columns
	<b>3rd</b>	Design of built up columns.
<b>6th</b>	<b>1st</b>	<b>Numerical</b>
	<b>2nd</b>	<b>Numerical</b>
	<b>3rd</b>	<b>Lacing and battens</b>
<b>7th</b>	<b>1st</b>	Numerical
	<b>2nd</b>	<b>Numerical</b>
	<b>3rd</b>	<b>Columns basis and footings</b>
<b>8th</b>	<b>1st</b>	Introduction types of columns basis
	<b>2nd</b>	<b>Design of slab base and gusted base</b>
	<b>3rd</b>	Design of grillage foundation
<b>9th</b>	<b>1st</b>	<b>Numerical</b>
	<b>2nd</b>	<b>Numerical</b>
	<b>3rd</b>	<b>Numerical</b>

<b>10th</b>	<b>1st</b>	<b>Design of beams</b>
	<b>2nd</b>	<b>Introduction: types of section, supported and unsupported beams.</b>
	<b>3rd</b>	<b>Design of built up beams</b>
<b>11th</b>	<b>1st</b>	<b>Web buckling and web crippling</b>
	<b>2nd</b>	Diagonal buckling
	<b>3rd</b>	<b>Numerical</b>
<b>12th</b>	<b>1st</b>	<b>Numerical</b>
	<b>2nd</b>	<b>Numerical</b>
		<b>Numerical</b>
<b>13th</b>	<b>1st</b>	<b>Gantry girder</b>
	<b>2nd</b>	Design and types
	<b>3rd</b>	<b>Design steps</b>
<b>14th</b>	<b>1st</b>	<b>Numerical</b>
	<b>2nd</b>	Eccentric loading and concentric clouding
	<b>3rd</b>	<b>Crane load</b>
<b>15th</b>	<b>1st</b>	<b>Plate girder</b>
	<b>2nd</b>	<b>Stiffeners</b>
	<b>3rd</b>	Necessity of plate girder

## LESSON PLAN

**Name of the Faculty :** Mr.Manoj Tiwari  
**Discipline :** Mechanical  
**Semester :** 4<sup>TH</sup>  
**Subject :** FM-I (CE-206N) & FM-II (P) (CE-212N)  
**Lesson Plan Duration :** 15 weeks (from January, 2018 to April, 2018)

**Work Load (Lecture/Practical) per week (in hours):** Lectures - 03

WEEK	THEORY		PRATICAL	
	LECTURE DAY	TOPIC (including assignment / test)	PRACTICAL DAY	TOPIC
1st	1st	LAMINAR FLOW	1	To determine the coefficient of drag by Stoke's law for spherical bodies.
	2nd	NAVIER STOCK EQUATION, LAMINAR FLOW BETWEEN PARELLAL PLATES.		
	3rd	Coutte' flow laminar flow through pipes, laminar flow around a sphere,		
2 <sup>nd</sup>	1st	Stock' law	2	To study the phenomenon of cavitations in pipe flow.
	2nd	flow through pipes:- types of flow		
	3rd	Reynolds experiment, shear stress on turbulent flow, boundary layer in pipes		
3rd	1st	Establishment of flow , velocity distribution through rough and		

<b>3rd</b>		<b>smooth pipes</b>		
	<b>2nd</b>	Resistance	<b>3</b>	To determine the critical Reynolds's number for flow through commercial pipes.
	<b>3rd</b>	Station and moody diagram		
<b>4th</b>	<b>1st</b>	Darcy weisbach equation , energy losses in pipes	<b>4</b>	To determine the coefficient of discharge for flow over a broad crested weir.
	<b>2nd</b>	<b>Loss due to sudden expansion</b>		
	<b>3rd</b>	<b>Total energy line , pipes in series and in parallel .branched pipe, pipe networks, hardy cross method, water hammer.</b>		
<b>5th</b>	<b>1st</b>	<b>Drag and lift force, types of drag</b>	<b>5</b>	<b>Copy check and viva voce</b>
	<b>2nd</b>	Drag on a sphere,		
	<b>3rd</b>	Flat plate		
<b>6th</b>	<b>1st</b>	<b>Cylinder</b>	<b>6</b>	To study the characteristics of a hydraulic jump on a horizontal floor and sloping glacis including friction blocks.
	<b>2nd</b>	<b>And airfoil development of lift on immersed bodies likes circular cylinder and airfoil.</b>		
	<b>3rd</b>	<b>Open channel flow</b>		
<b>7th</b>	<b>1st</b>	Types of flow in open channels	<b>7</b>	To study the scouring phenomenon around a bridge pier model.
	<b>2nd</b>	<b>Geometric parameters of channels section</b>		
	<b>3rd</b>	<b>Uniform flow</b>		
<b>8th</b>	<b>1st</b>	Most economical section	<b>8</b>	To study the scouring phenomenon for flow past a spur.
	<b>2nd</b>	<b>Rectangular and trapezoidal specific energy and critical</b>		

		<b>depth</b>		
	<b>3rd</b>	Momentum in open channel		
<b>9th</b>	<b>1st</b>	<b>Specific force</b>	<b>9</b>	<b>Copy check and viva voce</b>
	<b>2nd</b>	<b>Critical flow in rectangular channel</b>		
	<b>3rd</b>	<b>Applications of specific energy and discharge diagram</b>		
<b>10th</b>	<b>1st</b>	<b>Surges in channel</b>	<b>10</b>	To determine the characteristics of a centrifugal pump.
	<b>2nd</b>	<b>Compressible flow</b>		
	<b>3rd</b>	<b>Basic relationship of thermodynamics of continuity momentum and energy equation.</b>		
<b>11th</b>	<b>1st</b>	<b>Mach no and its signification</b>	<b>11</b>	To study the momentum characteristics of a given jet.
	<b>2nd</b>	Subsonic and supersonic flows		
	<b>3rd</b>	<b>Stagnation pressure</b>		
<b>12th</b>	<b>1st</b>	<b>Pumps and turbines</b>	<b>12</b>	To determine head loss due to various pipe fittings.
	<b>2nd</b>	<b>Reciprocating and centrifugal pumps</b>		
		<b>Single and double acting reciprocating pumps.</b>		
<b>13th</b>	<b>1st</b>	<b>Parts and working</b>	<b>13</b>	<b>Final copies check</b>
	<b>2nd</b>	Types of turbines		
	<b>3rd</b>	<b>Peloton wheel turbine</b>		
	<b>1st</b>	<b>Kaplan turbines</b>		

<b>14th</b>	<b>2nd</b>	Reaction turbines		
	<b>3rd</b>	<b>Cavitations</b>	<b>14</b>	<b>Internal viva</b>
<b>15th</b>	<b>1st</b>	<b>Numerical</b>	<b>15</b>	<b>Internal viva</b>
	<b>2nd</b>	<b>Numerical</b>		
	<b>3rd</b>	Numerical		

## LESSON PLAN

**Name of the Faculty :** Mr. DEEPAK KUMAR

**Discipline :** civil

**Semester :** 4<sup>TH</sup>

**Subject :** soil mechanics (CE-208N)

**Lesson Plan Duration :** 15 weeks (from January, 2018 to April, 2018)

**Work Load (Lecture/Practical) per week (in hours):** Lectures - 03

WEEK	THEORY	
	LECTURE DAY	TOPIC (including assignment / test)
1st	1st	Soil formation and composition
	2nd	Origin , weathering, soil formation major soil deposits of India
	3rd	Principle clay minerals
2 <sup>nd</sup>	1st	Basic soil properties
	2nd	Three phase system, wt vol. relationship, sil grain properties, soil aggregate properties, grain size analysis, sieve analysis, consistency of soil, consistency limits , sedimentation
	3rd	Activity of clays, relative density of sands
3rd	1st	Classification of soil
	2nd	Purpose of classification , classification on te basis of plasticity , plasticity cart, Indian standard ,classification system

	<b>3rd</b>	Permeability of soil
<b>4th</b>	<b>1st</b>	Introduction , Darcy law and its validity discharge velocity and seepage velocity, factors affecting permeability
	<b>2nd</b>	<b>Coefficient of permeability and its determination.</b>
	<b>3rd</b>	<b>Effective stress concept:- principle, hydrostatic condition, capillary rise in soil and its zones.</b>
<b>5th</b>	<b>1st</b>	<b>2 D flow, seepage force, Laplace ' Eqn PROPERTIES and utilize of flow net, graphical method of constriction of flow nets in piping, protective filter compaction.</b>
	<b>2nd</b>	Role of moisture , moisture density relationship, compaction in field, compaction of cohesive soil.
	<b>3rd</b>	Compaction of cohesion less soil . Field control of compaction.
<b>6th</b>	<b>1st</b>	<b>Vertical stress below applied load</b>
	<b>2nd</b>	<b>Bousinezq Eqn, VERTICAL STRESS</b>
	<b>3rd</b>	<b>Distribution diagrams, vertical stress loaded areas , new marks influence chart , approximate stress distribution method for loaded areas.</b>
<b>7th</b>	<b>1st</b>	Westergaurd analysis.
	<b>2nd</b>	<b>Contact pressure .</b>
	<b>3rd</b>	<b>Compressibility and consolidation</b>
<b>8th</b>	<b>1st</b>	Components of total settlement, consolidation process
	<b>2nd</b>	<b>1D,consolidation test</b>
	<b>3rd</b>	Terzaghi's one dimensional consolidation eqn.
<b>9th</b>	<b>1st</b>	<b>Determination of coefficients of consolidation, consolidation settlements.</b>
	<b>2nd</b>	<b>Construction periods settlement , secondary consolidation</b>

	<b>3rd</b>	<b>Shear strength :-introduction, Mohr' stress circle, Mohr coulomb failure, relationship between principle stresses at failure</b>
<b>10th</b>	<b>1st</b>	<b>Shear test, direct shear test, vane shear test, unconfined compression test, triaxial compression test, drainage condition and parameters,</b>
	<b>2nd</b>	<b>Shear strength characteristic of strength</b>
	<b>3rd</b>	<b>Normally consolidation</b>
<b>11th</b>	<b>1st</b>	<b>Sensitivity and thixotropy</b>
	<b>2nd</b>	<b>Earth pressure</b>
	<b>3rd</b>	<b>Earth pressure at rest</b>
<b>12th</b>	<b>1st</b>	<b>Rankin's theory</b>
	<b>2nd</b>	<b>Active and passive pressure</b>
		<b>Numerical</b>
<b>13th</b>	<b>1st</b>	<b>Numerical</b>
	<b>2nd</b>	<b>Cullman Graphical construction</b>
	<b>3rd</b>	<b>Rebhanns constriction</b>
<b>14th</b>	<b>1st</b>	<b>Numerical</b>
	<b>2nd</b>	<b>Numerical</b>
	<b>3rd</b>	<b>Numerical</b>
<b>15th</b>	<b>1st</b>	<b>Numerical</b>
	<b>2nd</b>	<b>Active and passive pressure</b>
	<b>3rd</b>	<b>Plastic equilibrium</b>
		<b>Coulombs earth pressure theory</b>

## LESSON PLAN

**Name of the Faculty :** Mr.SUKHDEV SINGH

**Discipline :** civil

**Semester :** 4<sup>TH</sup>

**Subject :** surveying-II (CE-210N) & surveying – II (P) (CE-216N)

**Lesson Plan Duration :** 15 weeks (from January, 2018 to April, 2018)

**Work Load (Lecture/Practical) per week (in hours):** Lectures – 03, Practical - 04

WEEK	THEORY		Practical	
	LECTURE DAY	TOPIC (including assignment / test)	Practical day	Topic
1st	1st	TRIGNOMETRY LEVELING:- introduction	1	. To study the functions of various parts of theodolite.
	2nd	Height and distance, base of the object accessible		
	3rd	Numerical		
2 <sup>nd</sup>	1st	Numerical	2	To carry out permanent adjustments of a transit theodolite.
	2nd	Base is inaccessible		
	3rd	Geodatical observation		
3rd	1st	Refraction and curvature	3	To measure horizontal and vertical angles using a theodolite.
	2nd	Axis signal correction		
	3rd	Difference in elevation between two points		

4th 4th	1st	Triangulation:- systems, classification strength of figure, selection of triangulation stations , grade of triangulation, field work of triangulation, EDM	4	To determine the constants of a given tachometer.
	2nd	<b>NUMERICAL</b>		
	3rd	<b>NUMERICAL</b>		
5th	1st	<b>NUMERICAL</b>	5	To determine the horizontal distance & elevations of a given traverse with the help of a tachometer.
	2nd	Survey adjustment and treatment of observations		
	3rd	Types of errors		
6th	1st	<b>Definition of weight of an observation, law of accidental errors.</b>	6	<b>Copy check and viva voce</b>
	2nd	<b>Law of weights</b>		
	3rd	<b>Most probable values</b>		
7th	1st	Determination of probable errors	7	To set out simple curves by offsets from tangents.
	2nd	<b>Different cases with examples</b>		
	3rd	<b>Numerical</b>		
8th	1st	Numerical	8	To set out curves by offsets from chords produced.
	2nd	<b>Principle of least square</b>		
	3rd	Adjustment of triangulation figures by methods of least squares.		
9th	1st	<b>types of Arial photograph, Arial camera, and height</b>		

<b>9th</b>	<b>2nd</b>	<b>displacements in verticals photographs</b>	<b>9</b>	To set out simple curves by offsets from long chords.
	<b>3rd</b>	<b>Stereoscopic vision, stereoscopies, height determination from parallax.</b>		
<b>10th</b>	<b>1st</b>	<b>Flight planning</b>	<b>10</b>	To set out simple curves by Rankine's method of tangential deflection angles.
	<b>2nd</b>	<b>Introduction of remote sensing and its system:-GIS</b>		
	<b>3rd</b>	<b>Concept of G.I.S and G.P.S</b>		
<b>11th</b>	<b>1st</b>	<b>Components , data input and output.</b>	<b>11</b>	<b>Copy checks and viva</b>
	<b>2nd</b>	Astronomy :-study of stars.		
	<b>3rd</b>	<b>Definitions of astronomical terms</b>		
<b>12th</b>	<b>1st</b>	<b>Star at elongation.</b>	<b>12</b>	To measure the length of base line in triangulation survey.
	<b>2nd</b>	<b>Star at prime vertical</b>		
		Star at horizon		
<b>13th</b>	<b>1st</b>	<b>Star culmination</b>	<b>13</b>	Triangulation with total station.
	<b>2nd</b>	Celestial co-ordinates systems,		
	<b>3rd</b>	<b>Napier's rule</b>		
<b>14th</b>	<b>1st</b>	<b>Various time systems:- sidereal , apparent , solar and mean solar times.</b>	<b>14</b>	<b>Final copy check of all practicals</b>
	<b>2nd</b>	Equation of time its causes		

	<b>3rd</b>	<b>Total station</b>		
<b>15th</b>	<b>1st</b>	<b>Working Principle</b>	<b>15</b>	<b>Internal viva</b>
	<b>2nd</b>	<b>Survey with total station</b>		
	<b>3rd</b>	<b>Numerical</b>		

## LESSON PLAN

**Name of the Faculty :** Dr. D.K MAHARAJ  
**Discipline :** CIVIL  
**Semester :** 4<sup>TH</sup>  
**Subject :** SOIL MECHANICS (P) (CE-214N)  
**Lesson Plan Duration :** 15 weeks (from January, 2018 to April, 2018)

**Work Load (Lecture/Practical) per week (in hours):** practical -04

<b>PRACTICAL</b>		
<b>WEEK</b>	<b>PRACTICAL DAY</b>	<b>TOPIC</b>
<b>1<sup>st</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Visual Soil Classification and water content determination.
<b>2<sup>nd</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Determination of specific gravity of soil solids.
<b>3<sup>rd</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Grain size analysis-sieve analysis.
<b>4<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	<b>Copies check and viva voce</b>
<b>5<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Liquid limit and plastic limit determination.
<b>6<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Field density by: Sand replacement method
<b>7<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Field density by: Core cutter method
<b>8<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Proctor's compaction test.
<b>9<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	<b>Copies check and viva voce</b>
<b>10<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Coefficient of permeability of soils.
<b>11<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Unconfined compressive strength test.

<b>12<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Direct shear test on granular soil sample.
<b>13<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	Unconsolidated undrained (UU) triaxial shear test of fine grained soil sample.
<b>14<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	<b>Final copies check</b>
<b>15<sup>th</sup></b>	<b>1<sup>st</sup> and 2<sup>nd</sup></b>	<b>Internal viva</b>

## Lesson Plan

**Name of faculty** : Ms. Megha  
**Discipline** : B.Tech (Civil)  
**Semester** : 4<sup>th</sup>  
**Subject** : Fundamentals of Management  
**Lesson Plan during** : 15 Weeks (From January 2018 to April, 2018)

**\*\* Work load (Lecture / practical) per week (In hours): lectures-03, practical – 00**

WEEK	THEORY	
	LECTURE	TOPIC
	DAY	( INCLUDING ASSIGNMENT/ TEST)
1.	1.	Meaning, Definition, Nature Of FOM
	2.	Importance & Functions Of FOM
	3.	Management As Art, Science & Profession
2.	4.	Management As Social System
	5.	Concepts Of Management-Administration
	6.	Evolution Of Management Thought
3.	7.	Development Of Management Thought
	8.	Scientific Management
	9.	Administrative Theory Of Management
4.	10.	Bureaucratic Organization, Behavioral Approach
	11.	Human Relations Movement
	12.	Behavioral Science Approach
5.	13.	Modern Approach To Management
	14.	Systems Approach And Contingency Approach
	15.	Nature, Purpose And Functions, Types Of Plans
6.	16.	Planning Process
	17.	Strategies And Policies

	18.	Concept Of Corporate Strategy, Formulation Of Strategy
7.	19.	Types Of Strategies
	20.	Management By Objectives (MBO)
	21.	SWOT Analysis, Types Of Policies
8.	22.	Principles Of Formulation Of Policies
	23.	Nature, Importance, Process, Organization Structure
	24.	Line And Staff Organization
9.	25.	Delegation Of Authority And Responsibility
	26.	Centralization And Decentralization
	27.	Decision Making Process & Models
10.	28.	Departmentalization: Concept And Types
	29.	Formal & Informal Organizations
	30.	Concept, Process, Features; Manpower Planning; Job Analysis: Concept And Process
11.	31.	Recruitment And Selection: Concept, Process, Sources Of Recruitment
	32.	Performance Appraisal, Training And Development
	33.	Communication- Nature, Process, Formal And Informal, Barriers To Effective Communication
12.	34.	Theories Of Motivation-Maslow, Herzberg, McGregor
	35.	Concept And Theories, Managerial Grid, Situational Leadership
	36.	Transactional And Transformational Leadership
13.	37.	Concept, Process, Types, Barriers To Controlling, Controlling Techniques:
	38.	Budgetary Control, Return On Investment
	39.	Management Information System-MIS , TQM-Total Quality Management, Network Analysis- PERT And CPM

14 .	40.	Social Responsibility Of Management–Management Of Crisis, Total Quality Management, Stress Management
	41.	Concept Of Corporate Social Responsibility (CSR) And Business Ethics. Functional Aspects Of Business
	42.	Conceptual Framework Of Functional Areas Of Management
15 .	43.	Finance
	44.	Marketing
	45.	Human Resources