GOVERNMENT POLYTECHNIC COLLEGE, KOTA (RAJ.)

SYLLABUS BREAK-UP (SESSION 2015-16)

SUBJECT CODE : CE204 SUBJECT NAME : Surveying lab

FACULTY NAME : V. S. SHARMA DESIGNATION : PRINCIPAL

TORIC	LECTURE (MONTHOLIN	ACTUAL	DEACON FOR NOT	E CONTENTO
TOPIC	PRACTICAL CLASSES REQUIRED TO COVER TOPIC	MONTHS IN WHICH THE TOPIC WILL BE COVERED	ACTUAL DATE OF COVERING OF THE TOPIC	REASON FOR NOT COVERING THE TOPIC IN DUE TIME	E-CONTENTS PROVIDED TO STUDENTS RELATED TO TOPIC
Study of	2	Aug-15			
1.1 Different types of chains and tapes1.2 Cross staff1.3 Optical square1.4 Line ranger					
Use of Chains: 2.1 Folding and unfolding 2.2 Ranging and chaining on plane and sloping surface 2.3 Setting right angles. 2.4 Setting parallel lines. 2.5 Taking offsets.	2	Aug-15			
Chain surveying of small areas	4	Aug-Sep15			
Study of prismatic compass	1	Sep-15			
Study of surveyor compass	1	Sep-15			
Measurements of bearing of lines	4	SEP-OCT 15			
Transverse by compass and adjustment of error	4	Oct-15			
Study of the component parts and handling of 8.1 Dumpy level 8.2 Tilting level 8.3 Staves	2	Oct-15			

Use of dumpy level and tilting level in differential levelling and levelling for cross section and longitudinal section. Recording in level book and plotting. Study of Automatic level. 1 Nov-15 Study of Automatic level. 1 Nov-15 Study and use of plane table and its accessories e.g. stand, table, clamping arrangement, sight vane, through compass, plumbing fork, plumb bob, sprit level etc. A Methods of plane tabling 13.1 Radiation 13.2 Intersection 13.3 Traversing 13.4 Resection Two and three point problems 6 Jan-Feb 16 Preparation of a plan on area by plane table aurvey. Preparation of a plan on area by plane table aurvey. Preparations of a contoured plan of an uneven method and interpolation of contours Preparations of a contoured plan of an uneven method and interpolation of contours Preparations of a contoured plan of an uneven and this holip a level and a plane table. 18.1 Hand and abney level 18.2 Climometer 18.3 Planimeter	Temporary adjustments of a dumpy level and	2	Oct-15			
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