## B.E. CONSTRUCTION ENGINEERING THIRD YEAR SECOND SEMESTER EXAM 2018

## Subject: PROCESS OF CONSTRUCTION [Part-2]

Time: Three hours

Full Marks: 50

Different parts of the same question should be answered together.

004	PART - [7]		
CO4	Answer all questions in this block		
[10]	[1] Describe Arch welding technique with neat sketch used for steel construction.		
	[10]		
CO5 [15]	tel = 10 and 10		
	[2] Which part at a excavator is changed during the operation of this machine and explain cause of changing. [15]		
	[2] a) For deep excavation processes which structural element we used to support? Draw a sketch of this element and explain how this element help for safe excavation process.		
CO6 [25]	[1] Explain every steps of steel "K" type truss bridge construction with the help of a "Derrick Crane". River is full of flowing water in this case. Neat sketch is to be drown showing every steps. [25]		

CO1: Describe and identify of different types of structural elements and configuration (K1)

CO2: Classify and identify different method of scaffolding and shuttering technique (K2)

CO3: Discuss and explain concreting method including mixing pouring .(K2).

CO4: Classify and describe of different technique of structural steel construction (K2).

CO5: Discuss and explain different method of excavation and foundation construction .(K2).

CO6: Discuss and discussion of cantilever construction of bridges .(K2).

## B.E CONSTRUCTION ENGINEERING 2<sup>ND</sup> YR 2<sup>ND</sup> SENESTER EXAMINATION,2018 Process of Construction

Ref:Ex/Con/T/224/2018

Time : Three hours	PART - I	Full Marks: 100
construction industry? CO2: (i) Draw a sketch showing di	shell roof. Explain why shell roof is e fferent parts of slip form works of a R scuss the challenges faced during exec	5 CCC chimney. Describe the slip
(ii) Why form work is very im	portant step for civil construction.	5
industry?	reen concrete -which machine is mostle chine showing the details of parts.	ly preferred in construction
	s of concrete from the said machine.	15
	thodology of 'Double Cylindrical Co OR Forcement details both in cross section	•
CO2: Classify and identify of CO3: Discuss and explain concord CO4: Classify and describe of CO5: Discuss and explain discussions.	of different types of structural elemen lifferent method of scaffolding and sh oncreting method including mixing po of different technique of structural stee afferent method of excavation and four of cantilever construction of bridges	outtering technique (K2) ouring .(K2). el construction (K2). ndation construction .(K2).