

B. Const. Engg. 2nd YEAR EXAMINATION, 2019

(2nd Semester)

SUBJECT Process of Construction

(Name in full)

PAPER I

Time : Three hours

Full Marks : 100

- Q1. A) Mention the major objectives of formwork. (CO1)
B) Describe the requirements of good formwork. (CO2)
C) Describe advantages and disadvantages of steel formwork. (CO2)

OR

Describe the advantages and disadvantages of timber formwork

4X3=12

- Q2. A) Define category of formwork. (CO1)
B) Mention erection sequence of a column formwork. (CO2)
C) Prepare a time-table for removal of formwork for OPC cement. (CO2)
D) Give an idea on modern day formwork. (CO3)

4+5+5+3=17

Q3.A) Define the steps of pouring of concrete. (CO1)

5

Q4 .A) Describe purpose of welding at site. (CO1)

B) Define the accessories /consumables as required for welding. (CO2)

C) Give an account on defects of welding (CO3)

D) Enumerate how we determine defects of welding (CO3)

4+4+4+4=16

No of Questions	PART - II	Marks
	Answer any questions no.4 and any two question from the rest	
Q1.	What is well foundation? Describe the process of well foundation briefly with neat sketch.	15
Q2.	What is DMC method of piling ? In DMC piling method, explain why bentonite slurry is used? How concreting is done in DMC piling method.	15
Q3.	For transportation of concrete in green stage which machine we mostly use? Draw a sketch of that machine and explain the unloading of wet concrete process of that machine.	15
Q4.	Describe the process of box pushing with neat sketch.	20