

Seat
No.

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महात्मा - 014

Construction Methods & Equipment Management

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Answer any five questions.
5. Draw neat sketches wherever necessary.
6. Assume suitable data if necessary.

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| 1. | a) | Write about operation of sinking of wells. | 10 |
| | b) | Mention various drilling methods and explain any one. | 10 |
| 2. | a) | Explain with sketch & various components - Tunnel forms technique. | 20 |
| 3. | a) | Explain drag line equipment with neat sketch. | 10 |
| | b) | Write about working and work cycle output of bulldozer. | 10 |
| 4. | a) | Write about various factors affecting output of shovels. | 10 |
| | b) | Explain with neat labelled sketch static Tower crane. | 10 |
| 5. | a) | Explain Multistage well point system of dewatering. | 10 |
| | b) | Explain with layout sketch RMC plant. | 10 |
| 6. | a) | Write about belt conveyors. | 10 |
| | b) | Write about selection and significance of drilling pattern. | 10 |
| 7. | a) | State various considerations which are to be taken into account for selection of equipment. | 10 |
| | b) | Explain any one type of crusher. | 10 |

8. Write short notes **any five.**

- i) Drop hammers.
- ii) Wagon drills.
- iii) Concrete pump.
- iv) Equipment Records.
- v) Safety in equipment operation.
- vi) Grading.
- vii) Premie method.
- viii) Economic life of equipment.
