

**BE FIRST SEMESTER THIRD YEAR (CONSTRUCTION) EXAMINATION - 2019**Subject : **CONSTRUCTION MANAGEMENT - II**

Time : Three hours

Full Marks: 100

Answer parts of any question **SERIALLY**.

Answer any **THREE** questions from each block. Please start answering a question or part thereof from a **NEW** page. All questions carry equal marks. Answers should be brief. Different parts of the same question should be answered together.

**BLOCK –A (Answer any THREE questions from this block)**

CO1 [20]	1. (a) When is the employer NOT liable to compensate a workman from a personal injury caused to him by an accident arising out & in course of employment ? [CO1] (b) What is the procedure to be followed by the Commissioner for distribution of compensation ? An employer pays Rs. 800/- to the dependent son of a deceased workman. Can the Commissioner deduct it from the amount of compensation payable to the dependents of the workmen ? Discuss the legal contention in the light of <i>Workmen's Compensations Act, 1923</i> . [CO1] (c) State whether the following persons are to be regarded as workman as per <i>Workmen's Compensations Act, 1923</i> . (i) a nurse employed in Indian Airlines to look after the sick patients. (ii) a nurse employed in AIIMS, New Delhi [CO1]																														
CO2 [20]	2. (a) When is an award of an Industrial Tribunal enforceable under the <i>Industrial Disputes Act, 1947</i> ? [CO2] (b) State briefly the distinctive feature of " <i>retrenchment</i> " & " <i>layoff</i> ". Is a workman who has been in continuous service for the preceding six months entitled to a notice of " <i>retrenchment</i> " ? [CO2]																														
CO3, CO4 [20]	3. (a) When, how & in what types of employment the government is empowered to fix minimum wages under the <i>Minimum Wages Act, 1948</i> ? When the wages may be reviewed ? [CO3] (b) Mr. 'X' an employee of a grocer shop was NOT paid his wage for three months. Can he claim his wages under the <i>Payment of Wages Act, 1936</i> ? [CO4] (c) Can the government also fix hours for normal working day in respect of employments for which minimum wages have been fixed as per <i>Minimum Wages Act, 1948</i> ? [CO3]																														
CO10 [20]	4. Determine the planning parameters (Float, EST LST, etc) & mark the Critical Path for the following activities for a construction project as below : <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Operation / Activity</th> <th>Dependency</th> <th>Duration (Wks)</th> </tr> </thead> <tbody> <tr> <td>A. Substructure</td> <td>-</td> <td>4</td> </tr> <tr> <td>B. Brickwork</td> <td>A</td> <td>3</td> </tr> <tr> <td>C. Joinery, First Fix</td> <td>B</td> <td>2</td> </tr> <tr> <td>D. Tile Fixing</td> <td>C</td> <td>4</td> </tr> <tr> <td>E. Glazing</td> <td>D</td> <td>1</td> </tr> <tr> <td>F. Joinery, Second Fix</td> <td>E</td> <td>2</td> </tr> <tr> <td>G. Electrical Works</td> <td>F</td> <td>1</td> </tr> <tr> <td>H. Plumbing</td> <td>G</td> <td>4</td> </tr> <tr> <td>I. Painting</td> <td>H</td> <td>5</td> </tr> </tbody> </table>	Operation / Activity	Dependency	Duration (Wks)	A. Substructure	-	4	B. Brickwork	A	3	C. Joinery, First Fix	B	2	D. Tile Fixing	C	4	E. Glazing	D	1	F. Joinery, Second Fix	E	2	G. Electrical Works	F	1	H. Plumbing	G	4	I. Painting	H	5
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**BLOCK –B (Answer any THREE questions from this block)**

CO7 [20]	5. What is the difference between Construction Infrastructure & Infrastructure Construction? What is " <i>Construction Access</i> "? Discuss the various forms of access. [CO7]
CO8 [20]	6. Discuss the various uses of water in the purpose of construction in a Civil Engineering project site. Enumerate the various types of pumps & pipe joints used in construction. [CO8]
CO8 [20]	7. Discuss in brief the utility of Power & the mode of its supply in construction sites. "Submersible Pumps have a distinct advantage over other pumps" – Discuss in the light of other forms of pumps used in practice. [CO8]
CO9 [20]	8. Discuss the merits of planned maintenance of equipments. What is a two part bidding in tendering with special reference to the role of consultant, contractors & client ? [CO9]