

## BACHELOR OF ENGINEERING IN CONSTRUCTION ENGINEERING EXAMINATION, 2018

THIRD YEAR FIRST SEMESTER

## CONSTRUCTION MANAGEMENT II

Time: Three hours

Full Marks: 100

Answer parts of any question SERIALY.

Answer any **THREE** questions from each part. Please start answering a question or part there of from a **NEW** page. All questions carry equal marks. Answers should be brief.

## PART I

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 ?
  - (b) What is the procedure to be followed by the Commissioner for distribution of compensation ? An employer pays Rs. 500/- 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 *Workmen's Compensations Act, 1923*.
  - (c) State whether the following persons are to be regarded as workmen as per *Workmen's Compensations Act, 1923*.
    - (i) a nurse employed in a ICSE school to look after the sick students / children.
    - (ii) a nurse employed in Breach Candy Hospital, Mumbai.
2. (a) When is an award of an Industrial Tribunal enforceable under the *Industrial Disputes Act, 1947* ?
  - (b) State briefly the distinctive feature of "retrenchment" & "layoff". Is a workman who has been in continuous service for the preceding six months entitled to a notice of "retrenchment" ? OR
  - (b) State giving reasons whether the following are industries under *Industrial Disputes Act, 1947* :
    - (i) An University.
    - (ii) A group of hospitals run by State Government for giving Medical relief to citizens & imparting Medical Education.
    - (iii) *Calcutta Club* or any other club incorporated as a Company under the *Companies Act, 1913*.
    - (iv) An Ayurvedic College of Pharmacy manufacturing medicines for sale & for the benefit of students of the college besides other activities.
3. (a) When, how & in what types of employment the government is empowered to fix minimum wages under the *Minimum Wages Act, 1948* ? When the wages may be reviewed ?
  - (b) Mr. 'X' an employee of a grocer shop was NOT paid his wage for three months. Can he claim his wages under the *Payment of Wages Act, 1936* ?
  - (c) Can the government also fix hours for normal working day in respect of employments for which minimum wages have been fixed as per *Minimum Wages Act, 1948* ?
4. Annotate : (Any Four)
    - A. Withdrawal / Cancellation of registration of a Trade Union by the Registrar.
    - B. Procedure regarding the trial of offence under *Payment of Wages Act, 1936* ?
    - C. Circumstances under which a registered trade union creates a separate fund for political purposes under the *Trade Unions Act, 1926*.
    - D. 'Common Law of England' as a source of law & Natural Justice.
    - E. "Overtime" under the provisions of the *Minimum Wages Act, 1948* ?.
    - F. 'Enforceability of an agreement made amongst the members & office bearers of a trade union to commit an offence of Criminal Conspiracy' (Section 120B IPC) in the light of the extent of immunity of a registered trade union as per *Trade Union Act, 1926*.

## PART II

5. 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 ?
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.
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.
8. What is the difference between Construction Infrastructure & Infrastructure Construction? What is "Construction Access"? Discuss the various forms of access.