



# Dnyaneshwar Vidyapeeth (Trust)

CENTRAL EXAMINATION BOARD

ASSIGNMENT OF REINFORCED CEMENT CONCRETE

SUB -CODE- (CVL-G720) COURSE: ADVANCED TECH-QUIC PROGRAM

SESSION - WINTER

ASSIGNMENT NO. 1 (Assignment Based on Topic No. 1, 2 )

BRANCH – CIVIL

- Q.1 Answer the following (Questions for 2 marks)
- 1) What do you mean by characteristic strength of concrete?
  - 2) State the types of bars used in R.C.C.
  - 3) Define Modulus of elasticity.
  - 4) Define Nominal shear stress.
  - 5) Calculate  $6c_{bc}$  for followings grades of concrete. M15, M20, M25, M30.
  - 6) State the functions of main steel.
- Q.2 Answer the following (Questions for 4 marks)
- 1) State the advantages of R.C.C.
  - 2) Why shear reinforcement is provided?
  - 3) Why effective depth is used for design purpose?
- Q.3 Answer the following (Questions for 6 marks)
- 1) What are the requirements of good concrete?
  - 2) State the assumptions made in case of working stress method.
  - 3) Differentiate between limit state method and working stress method.
  - 4) State the steps in design of shear reinforcement.
  - 5) Write a short note on – working stress method.
  - 6) Write a short note on – Bond.
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GROWTH UNTO INFINITE