



J-6503

Seat No. _____

B. Arch. (Sem. V) End of Term Examination

November - 2019

Building Material & Construction - V

Part - II : Building Construction

Time : 4 Hours]

[Total Marks : 80

- Instructions :**
- (1) Material selection must be in context of BMC-V.
 - (2) Drawings & Details in appropriate scale (drafted or neat/apt sketches):
 - (3) Conceptuals
Architectural design - Plan/s, Section/s & Elevation/s
 - (4) Construction (Structure, Execution and Services)
 - Raised Deck and cantilever gallery
 - Stair/Steps/Ladder to access, from ground to raised deck
 - Walling/paneling and Opening
 - Roofing/covering and Projections
 - Services to integrate -,Natural Light and Ventilation, Thermal Insulation, Plumbing & Drainage, Artificial Lighting & Electrification

Government of Gujarat has decided to upgrade all sea-shores of the state suffering with inferior quality of infra-structure.

'Diu' is one of such sea-shore need to be developed as tourist-spot by enhancing its existing condition, in order to cater optimum tourists-inflow.

The concerned department is willing to construct an 'Observatory cabin for rescue personals' facing sea-shore to ensure maximum user's safety & security.

The envisaged cabin already has ground anchorages having RCC friction pile as foundation and 'I' section (150x100x5mm,1000mm elevated from ground for further development) as main steel-column, encased by Gunnamite Polymer Concrete for protection against corrosion.

'Observation Cabin' (6000mmX4000mm,10% tolerance), shall have space for (1) Cloth changing, (2) Storage (tools, equipment, first-aid kit, etc.) and (3) Toilet (Bath & WC), along with sea-facing cantilever open/semi-open 'Viewing Gallery'.

Give your proposal with Brief (explaining material selection), Neat sketches (elaborating structural configuration) and Construction details.
