

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 What is appropriate technology? Discuss importance of low cost construction in rural areas.
- Q.4 Explain construction procedure of :
i) Plane and block mud walls.
ii) Mud floors.
- Q.5 What is the working principle of rapid burning low cost brick kilns? Also discuss importance of "SOLAR SEASONING PLANTS".
- Q.6 What is "SOIL STABILISATION"? Explain construction of fair weather roads and road bunds.
- Q.7 Write short notes on the following :-
i) Ventilation of low cost housing.
ii) Chlorination of open well.

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Roll No.

030766C

6th Sem. / Civil / CM

Subject : Rural Technology

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) Precast lintels.
b) Panels.
c) Red clay tiles for floors.
d) Bunds.
e) Low cost Latrines.
f) Open well.
g) Hand pumps.
h) Cluster of houses.
i) Low cost doors.
j) Thickness of mud walls.

(40)

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- k) Bomboo.
- l) Sand.
- m) Low cost construction.
- n) Thatched roof.
- o) Low cost drains.
- p) Bathing cubicals.
- q) Soak pits.
- r) Fair weather road.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) Explain briefly about "individual biogas plants".
 - ii) Discuss construction of "Thatched roofs".
 - iii) How the waterproofing of mud walls is carried out?
 - iv) Discuss about, FERRO-CEMENT STORAGE TANKS.

- v) Enlist the different methods of soil stabilisation.
- vi) Explain the procedure of construction of soak pits in Rural sanitation.
- vii) How bathing cubicals are constructed.
- viii) Discuss the use of "fiber corrugated sheets" for low cost housing.
- ix) Explain the process of "Construction of sheds for animals".
- x) How the fire proofing of thatched roofs is carried out?
- xi) Describe treatment of locally available materials for protection against termite.
- xii) Write down the construction procedure of "Cement treated gunny bags".
- xiii) Explain the process of construction of "BLOCK MUD WALLS".
- xiv) How the "Open wells" are constructed?
- xv) Write in detail about "low lift pumps".