

(Following Paper ID and Roll No. to be filled in your
Answer Books)

Paper ID : 181211

Roll No.

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B. Arch.

Theory Examination (Semester-II) 2015-16

ARCHITECTURAL SERVICE-I

Time : 3 Hours

Max. Marks: 100

- Note :**
- i) Attempts all parts.
 - ii) All parts carry equal marks.
 - iii) Write answer of each part in short.

Section-A

- 1.** Attempt any eight questions from this section. (8×3=24)
- (a) What is potable water
 - (b) What is ph value of water?
 - (c) Rate of domestic consumption of water in Lucknow.
 - (d) What is intermittent supply?
 - (e) What is water carriage system of sanitation?

- (f) What Dry weather flow in sanitation,
- (g) What is non scouring velocity in sewerage system?
- (h) What is an anaerobic reaction?
- (i) What is aquifer?
- (j) What is rain water harvesting?

Section-B

2. Attempt any two questions from this section. (15×2=30)
- (a) Explain briefly the various stages involved in treatment of water in Treatment Plant'.
 - (b) What is relevance of water harvesting in today's contest.
 - (c) How would you determine storm water flow?

Section-C

3. This question is compulsory (30+16=46)

Design a toilet on ground floor attached with Master Bed Room as mentioned below —

- | | |
|----------------------------|-------|
| (a) W.C. (European) | 1 No. |
| (b) Indian seat | 1 No. |
| (c) Bath Tub (medium size) | 1 No. |
| (d) Counter Wash Basin | 1 No. |

Drawing requirements are as follows —

- (i) Layout plan showing the details of various sanitary appliances with their connectivity to the inspection chamber and private sewer line. (scale 1 : 10)
- (ii) Hot and cold water supply to the required places to be shown in the same plan.

