



Symbol of Secularism
& National Integration

**ANJUMAN - I - ISLAM'S
KALSEKAR TECHNICAL CAMPUS, NEW PANVEL**

School of Architecture

Approved & Recognised by: All India Council for Technical Education and Council of Architecture, New Delhi
Directorate of Technical Education, Govt. of Maharashtra Affiliated to: University of Mumbai

Semester IV- S.Y. B.Arch Examination April 2015

Subject: Humanities and Culture

Max Marks: 50 marks (2 pages)

Duration: 2 Hours

Read the Questions carefully and write down your answers neatly in the answer sheets provided. Nothing should be written on the Question Paper.
Kindly write down the Correct Corresponding Section and Question Numbers next to the Answers attempted
Draw neat labeled sketches wherever necessary
Section I contains seven questions (Essay type) of which ONLY THREE answers are to be attempted.
Section II contains 1 Question, which is to be attempted compulsorily
Section III has MAP which has to be attached with the answer sheet.

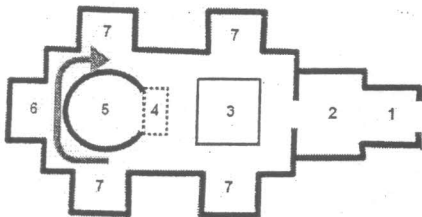
Section I (ANY FIVE) 50 Marks

1. What is the underlying principle of a hindu temple? explain briefly.
2. Write a brief note on vastu-mandala purusha, its geometry and its use in temple architecture with appropriate sketches.
3. write a brief description on the nagara style of temple architecture in India. Give relevant examples.
4. Write short notes on architecture styles during
 - a) chalukya dynasty
 - b) pallava dynasty
5. write short notes on architecture and materials
 - a) the ladh khan temple
 - b) the durga temple at Aihole
6. Recognize the image given below and write a short note on it and give relevant examples supporting your answer.

9

8

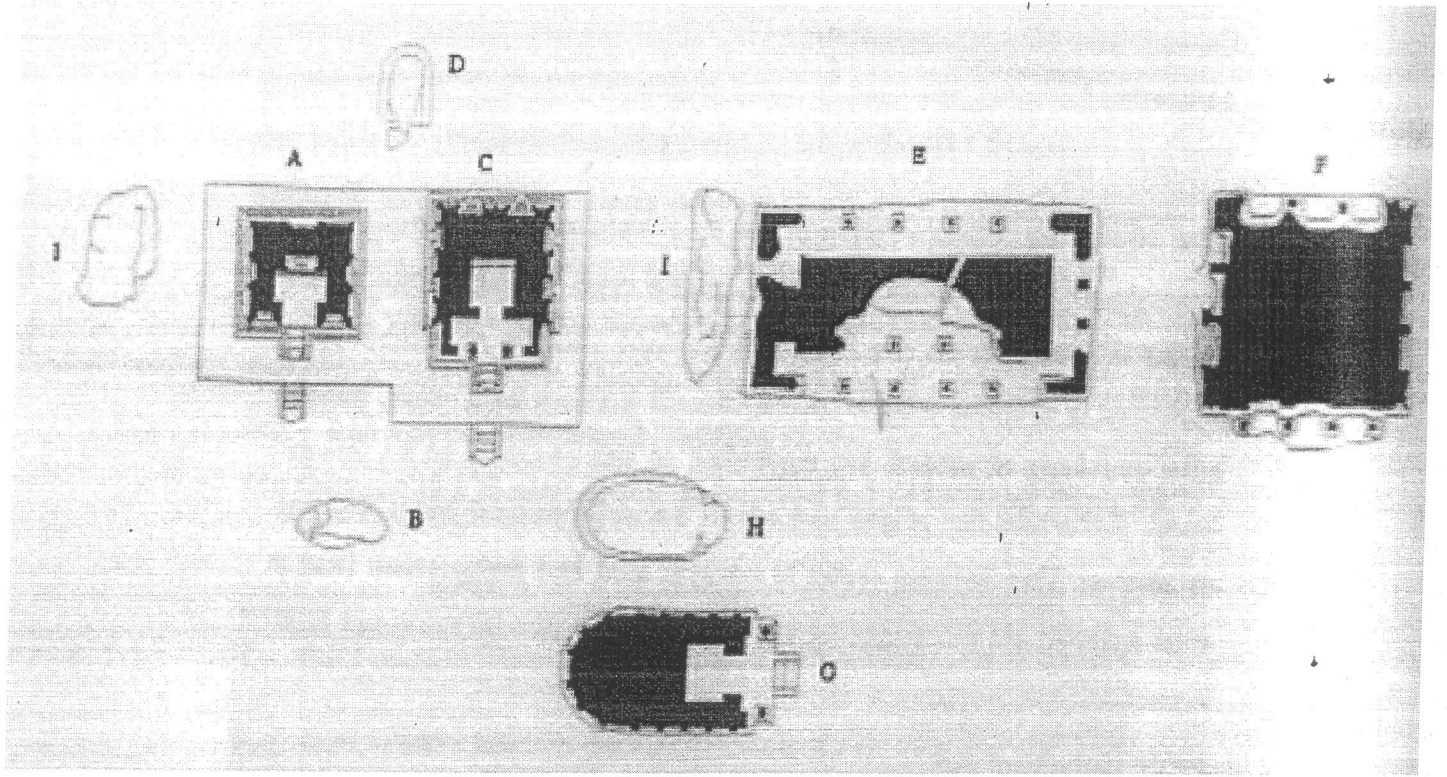
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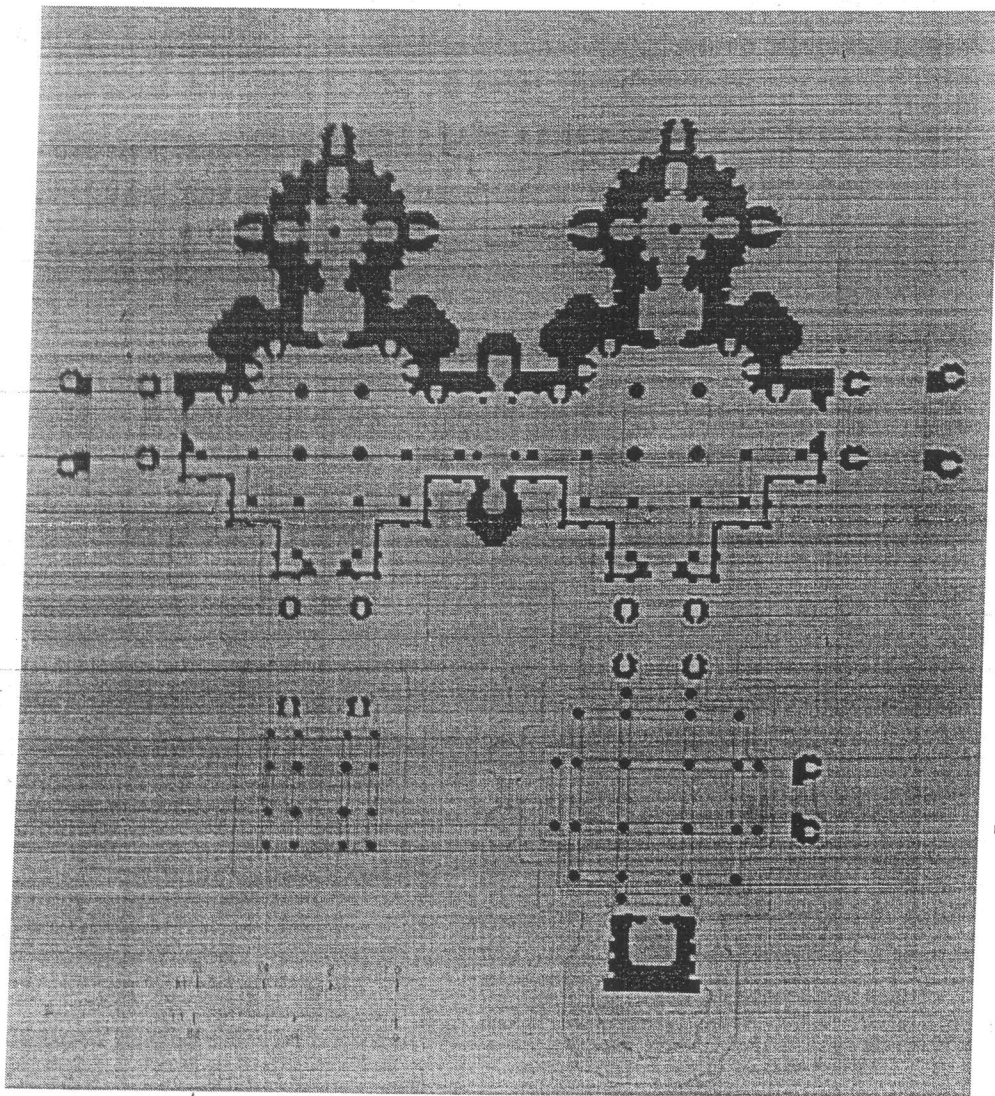
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8

9



7. Name the five structure shown in the image above. write 2-3 lines about each structure.



8. Write a brief description about the temple plan given above. recognize the style of construction, materials and significance.



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SEM-IV S.Y.B.ARCH EXAMINATION APRIL 2015 (REVISED COURSE)

Subject: Architectural Building Services - I

Max. Marks: 50

Date: 18/04/2015

Duration: 2 Hrs

Notes:

- Attempt any four Questions from question no 1,2,3,5,6,8
- Attempt any three questions from question number 4,7,9,10
- Numbers on the right hand side indicate marks.
- No extra marks for optional questions.

1. What are the different types of traps used in building drainage system. Explain with neat sketches. 5
2. Explain in detail the types of systems used for building drainage. 5
3. What are the different types of pipes used for building drainage. 5
4. Write short notes on the following : 10
 - a. Gully trap
 - b. Inspection chamber
 - c. Disconnecting chamber
 - d. Manhole
5. What is septic tank and soak pit. Explain in detail with neat sketches. 5
6. What is rainwater harvesting? What is the need to harvest rainwater? 5
7. What are the different methods to harvest rainwater? 10
8. Explain the rooftop rainwater harvesting system. 5

9. Explain the different types of filters used for filtration of rainwater collected from the catchment area.

10

10. Write short notes on :

10

- a. Recharge wells
- b. Recharge pits
- c. Recharge trenches