

12

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR

ROLL NO:

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Total number of pages: [1]

Total number of questions: [9]

B.ARCH. – III Sem.

Climate and Architecture

Subject Code: AR-304

Paper ID:

Batch: 2016

Time allowed: 03Hrs

Max Marks: [60]

Important Instructions:

- Ques 1 is compulsory.
- Students are required to attempt one question from each PART.
- Don't write anything on question paper except your Roll No.
- Assume any missing data.

Ques.1 Write a short note on:

- a) Global Climate Factor
- b) Psychometric Chart
- c) Azimuth Angle
- d) Thermal comfort
- e) Trombe wall
- f) Glare

(6*2=12)

PART - A

Ques.2 What is the importance to studying building climatology?

Ques.3 Explain the element of climate with sketches?

(1*12=12)

PART - B

Ques.4 What are the different design strategies of shading devices in different directions?

Ques.5 How understanding of optimum orientation of building is important for a good design?

(1*12=12)

PART - C

Ques.6 How wind fundamental effects in traditional architecture explain with the help of sketches?

Ques.7 What do you understand by term thermal comfort?

(1*12=12)

PART - D

Ques.8 What is the role of climate with respect to shelter?

Ques.9 What are the different climate zones in India explain their design parameters in detail?

(1*12=12)