

31/5/2023 (E)  
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Arch. (87)  
Roll No-: \_\_\_\_\_

## National Institute of Technology, Hamirpur (H. P.)

Name of the Examination: B.Arch. 3<sup>rd</sup> year End term exam

Branch : Architecture

Semester : 6<sup>th</sup> Sem

Course Name : Hill Architecture

Course Code : AR – 324

Time : 03 Hours

Maximum Marks : 50

Note: All Questions are compulsory.

Q1. Briefly explain the difference in features of traditional settlements pattern/housing layout, design-planning features of cold and dry climatic regions and warm and humid climatic regions in India. 06 MM

Q2. Define the following:

- 1) Angle of Repose
- 2) Contour

04 MM

Q3. With reference to a contoured site explain slope analysis in detail through different maps required for interpretation of analysis. Contour level/difference and direction of slope may be assumed. 10 MM

Q4. Differentiate between the following with sketches:

- 1) Plateau and valley
- 2) Swale and Ridge
- 3) Draw and cliff
- 4) Concave and convex slopes
- 5) Canyon and Bay

10 MM

Q5. Explain the precautions and process to be adhered while designing roads and circulation routes with reference to centerline of the proposed road/ routes on slope with detailed sketches. 05 MM

Q6. Explain in detail the hill architecture style of Himachal Pradesh with reference to Kath Kuni, Dhol-Maide, Faroque and Doriya techniques with detailed sketches.

10 MM

Q7. Detail out the features of hill settlement of Ladak.

05 MM