

MANIPAL ACADEMY OF HIGHER EDUCATION**FOURTH SEMESTER B. DES (ID)/B. A. (ID) DEGREE EXAMINATION – APRIL 2018****SUBJECT: BID 210 – PRINCIPLES OF ARCHITECTURAL RESEARCH**

Friday, April 20, 2018

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

✍ **Answer any FIVE questions from Question No: 01 – 06.**

1A. Explain the three main uses of Literature review.

1B. What are the four types of hypothesis? Explain with examples.

(6+4 = 10 marks)

2. How do you describe the fundamentals of design of the following?

2A. Craftsmen

2B. Technologist

2C. Artist

(3½+3½+3 = 10 marks)

3. Office employees spend a lot of their time inside a building, where the physical environments influence their wellbeing and directly influence their work performance and productivity. In the workplace, it is often assumed that employees who are more satisfied with the physical environment are more likely to produce better work outcomes.

Temperature, air quality, lighting and noise conditions in the office affect the work concentration and productivity. Numerous studies have consistently demonstrated that characteristics of the physical office environment can have a significant effect on behavior, perceptions and productivity of employees. Most of the previous researchers in them studies are more focused on a single factor that could give an effect on employee's performance at work. However, no study was done to examine the relationships between the whole factors of physical office environment and employees 'performance. Therefore, this paper presents a literature review of several environmental factors which directly or indirectly affect employees work performance. Several factors of environments such as the effects of workplace design, indoor temperature, color, noise and also interior plants towards employees well-being and performance have been discussed.

3A. What is the hypothesis in this research?

3B. What are the dependent, independent and extraneous variables in this research?

3C. What are the pros and cons of qualitative research?

(1+6+3 = 10 marks)

4. Do the geometric analysis of the plan w.r.t.
 - 4A. Basic geometry
 - 4B. Division and proportioning system
 - 4C. Transformation and development
 - 4D. Behavior of form

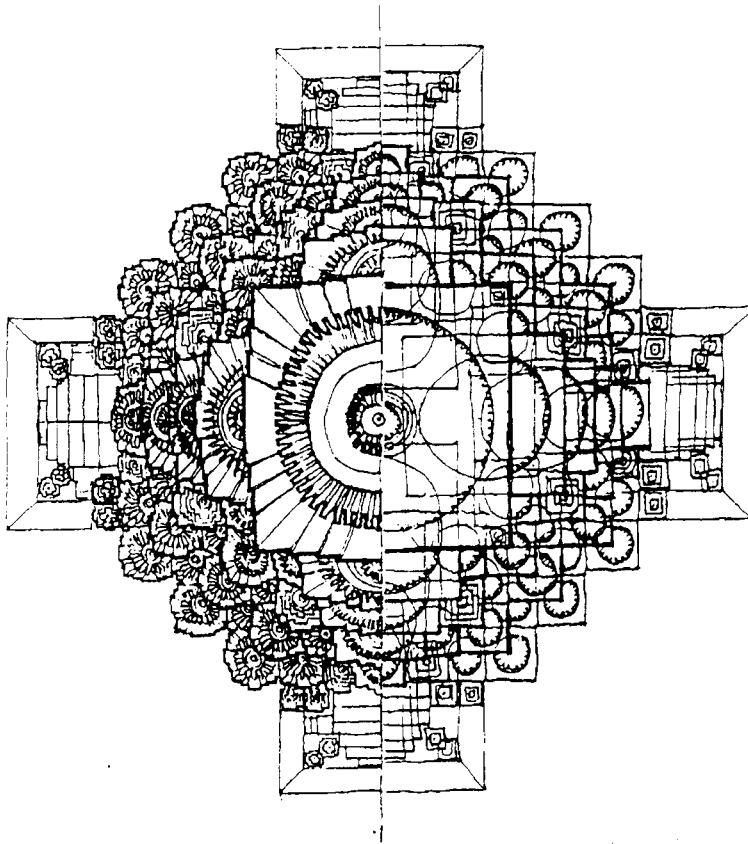


Fig 1. Plan of Khandariya Mahadev temple shikara

(1+3+3+3 = 10 marks)

5. How is character defined through culture and region? Explain with sketches of examples.
(10 marks)
6. Distinguish between descriptive criticism, interpretive criticism, and normative criticism.
(10 marks)

