

P P SAVANI UNIVERSITY

Seventh Semester of B. Arch. Examination
November-December 2022
SAAR4210 Architecture Research Methods

21.12.2022, Wednesday

Time: 10:00 a.m. To 12:00p.m.

Maximum Marks: 40

Instructions:

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures/sketches wherever required.
4. Use of scientific calculator is allowed.

| Q - 1 | True or False | [10] | CO | BTL |
|-----------|--|------|----|-----|
| (i) | Architectural research is the search for new knowledge and new ideas about the built environment. | | 1 | 2 |
| (ii) | Research can be conducted in a variety of sub disciplines, including building technology, environment-behavior studies, history of architecture and computing technology. | | 2 | 4 |
| (iii) | In each area of architectural research, certain presuppositions and fundamental beliefs guide and determine the appropriate focus and method of inquiry, as well as the significance and merit of each research project. | | 3 | 6 |
| (iv) | While the parameters of these research approaches vary, there are some common characteristics among them. | | 2 | 2 |
| (v) | Architectural research efforts are those that have clearly identifiable goals at the outset of the research, where the project is directed to respond to a question | | 1 | 3 |
| (vi) | SAS is a general-purpose statistical package with a basic programming capability utilizing scores of statistical and mathematical functions in numerous "modules | | 1 | 5 |
| (vii) | Quantitative & Qualitative Data means the same. | | 2 | 2 |
| (viii) | Primary and secondary data means the same. | | 2 | 1 |
| (ix) | Surveys are composed of carefully crafted questions on a topic or issue for the purpose of revealing information about community residents or services they utilize. | | 2 | 1 |
| (x) | Focus group are a qualitative research method designed to learn more about how people think, feel, or make decisions (attitudes, perceptions, opinions, experiences) through focused discussions. | | 3 | 6 |
| Q - 2 | What is hypothesis? | [05] | 2 | 4 |
| (a) | | | | |
| Q - 2 | What is primary data? | [05] | 3 | 3 |
| (b) | | | | |
| OR | | | | |
| Q - 2 | What is secondary data? | [05] | 2 | 5 |
| (a) | | | | |
| Q - 2 | What do you understand by survey? | [05] | 3 | 3 |
| (b) | | | | |

| | | | | |
|--------------|---|------|---|---|
| Q - 3 (a) | What are the different types of survey? | [05] | 2 | 2 |
| Q - 3 (b) | Write the format in which a proposal is formulated. | [05] | 1 | 1 |

Attempt any 1

| | | | | |
|--------------|--|------|---|---|
| Q - 7 (a) | Explain in your own words the importance of research. | [10] | 2 | 4 |
| Q - 7 (b) | How is the relation of architecture & research? | [10] | 3 | 3 |
| Q - 7 (c) | Prepare a detailed proposal of any research topic in the format. | [10] | 4 | 2 |
| Q - 7 (d) | Explain & justify the reasons of selecting a research topic. | [10] | 4 | 3 |

CO : Course Outcome Number

BTL : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

| | | |
|-------------|---------------|-----------|
| 1: Remember | 2: Understand | 3: Apply |
| 4: Analyze | 5: Evaluate | 6: Create |