



Name: ..... Roll No.: .....

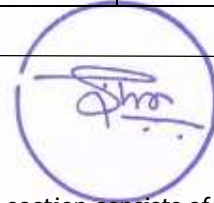
Branch: ..... Signature of Invigilator: .....

Semester: IVth Date: 27/04/2022 (MORNING)

Subject with Code: AR253 SITE PLANNING AND LANDSCAPE ARCHITECTURE

Marks Obtained	Section A (30)	Section B (20)	Total Marks (50)

INSTRUCTION TO CANDIDATE



1. The booklet (question paper cum answer sheet) consists of two sections. First section consists of MCQs of 30 marks. Candidates may mark the correct answer in the space provided / may also write answers in the answer sheet provided. The Second section of question paper consists of subjective questions of 20 marks. The candidates may write the answers for these questions in the answer sheets provided with the question booklet.
2. The booklet will be distributed to the candidates before 05 minutes of the examination. Candidates should write their roll no. in each page of the booklet.
3. Place the Student ID card, Registration Slip and No Dues Clearance (if applicable) on your desk. All the entries on the cover page must be filled at the specified space.
4. Carrying or using of mobile phone / any electronic gadgets (except regular scientific calculator)/chits are strictly prohibited inside the examination hall as it comes under the category of unfair means.
5. No candidate should be allowed to enter the examination hall later than 10 minutes after the commencement of examination. Candidates are not allowed to go out of the examination hall/room during the first 30 minutes and last 10 minutes of the examination.
6. Write on both side of the leaf and use pens with same ink.
7. The medium of examination is English. Answer book written in language other than English is liable to be rejected.
8. All attached sheets such as graph papers, drawing sheets etc. should be properly folded to the size of the answer book and tagged with the answer book by the candidate at least 05 minutes before the end of examination.
9. The door of examination hall will be closed 10 minutes before the end of examination. Do not leave the examination hall until the invigilators instruct you to do so.
10. Always maintain the highest level of integrity. Remember you are a BITian.
11. Candidates need to submit the question paper cum answer sheets before leaving the examination hall.

Birla Institute of Technology, Mesra

End Sem Examination

Class: B. Arch. | Semester II | SP 2022 |

## Site Planning and Landscape Architecture

Branch: Architecture and Planning

Total marks: 50

Time: 2 hours

### Section A

*All questions are mandatory.*

1. An edge condition can exist between: (1)
  - a. Hardscape and softscape
  - b. Softscape and softscape
  - c. Hardscape and water
  - d. All the above
2. A landscape structure which is linear in shape is known as: (1)
  - a. Corridor
  - b. Patch
  - c. Matrix
  - d. None of the above
3. To negotiate elevation in a sloped landscape, we use (1)
  - a. Retaining walls
  - b. Concrete pavers
  - c. Light fixtures
  - d. None of the above
4. Concrete pavers with sand bed underneath them are (1)
  - a. Rigid
  - b. Flexible
  - c. Prone to breaking
  - d. All of the above
5. The curb/kerb which is a change in elevation from the road to the pavement is an example of: (1)
  - a. An edge condition
  - b. A hardscape
  - c. All the above

6. A water hydrant in a park is an example of: (1)
- a. Hardscape
  - b. Softscape
  - c. Signage
  - d. Fixture
7. A bollard is a short light which is used mainly for pedestrians. (1)
- a. True
  - b. False
8. Stonehenge was built: (1)
- a. At one go
  - b. In different phases
  - c. With clay bricks
9. Gardens in medieval China framed the following elements of the landscape: (1)
- a. Rocks
  - b. Lakes
  - c. Plants with social and cultural significance
  - d. All the above
10. In French Villas, moats were used as a defense mechanism. (1)
- a. True
  - b. False
11. The shape or silhouette of a plant is called: (2)
- a. Its scale
  - b. Its form
  - c. Its texture
12. Tree grates do not allow ground water recharge. (2)
- a. True
  - b. False
13. Broad leaved plants are known to have the following type of texture: (2)
- a. Coarse
  - b. Fine
  - c. Intermediate
14. Brackish water is: (2)
- a. The mixture of salt and freshwater
  - b. Water that is dark in colour because of pollution
  - c. Water which is framed within landscape fixture
15. English landscape designers appreciated and replicated the straight lines and axes which the French used in their gardens. (2)
- a. True
  - b. False
16. The before/after views in English gardens were promoted by: (2)
- a. Cosimo-de-Medici

- b. Humphry Repton
  - c. Louis XIV
17. French Villas were exemplary gardens for inviting the general public into the private places and celebrate equality in the society. (2)
- a. True
  - b. False
18. The Hanging Garden of Babylon was rumored to have been located in: (2)
- a. Nineveh
  - b. Babylon
  - c. Istanbul
19. In an estuary: (2)
- a. Sea meets inland water
  - b. Water is usually brackish
  - c. All the above
20. Site analysis has the following crucial component as one of its integral processes: (2)
- a. Site inventory
  - b. Planting plan
  - c. Material plan

### **Section B**

*Attempt any four.*

1. Briefly explain in less than 200 words the differences between the three types of landscape structure – patch, corridor, and matrix. (5)
2. Briefly explain in less than 200 words the function of a riparian buffer. (5)
3. The Mughal gardens celebrate the idea of paradise being a garden. Please explain in your words, how the spring at the center acts as a node. (5)
4. Briefly explain in less than 200 words how consideration for microclimates impacts site analysis and design. (5)
5. Briefly explain in less than 200 words the use of plant buffers in a site design, especially as barriers. (5)