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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**FIFTH SEMESTER B. ARCH. DEGREE EXAMINATION – DEC 2019/JAN 2020**  
**SUBJECT: ARC-14-301: ARCHITECTURAL DESIGN & DETAILING - V**  
**(2014 SCHEME)**

Monday, December 30; Tuesday, December 31, 2019 and Wednesday, January 01, 2020  
(Monday 10:00 – 16:00; Tuesday (10:00 – 13:00 & 14:00 – 17:00); Wednesday (10:00 – 13:00 & 14:00 – 17:00))

Time: 18 Hrs. (in three days)

Max. Marks: 50

- ✗ The first setting of 6 hours is continuous at the end of which the candidate shall submit drawings as indicated. This submission will not be returned to the candidates, so they are advised to keep a copy of the first day's submission.
- ✗ No sheets will be allowed to be taken out of or into the examination hall.
- ✗ Non-messy snacks are permitted to be taken by students during examination.
- ✗ Answers shall be drawn and written on drawing sheets only.
- ✗ The medium of presentation – pencil, crayon, ink, etc. is left to the choice of the candidate.
- ✗ Assume suitable data wherever not given and state the same with justification.

**INTERPRETATION CENTRE FOR INDIAN CINEMA, MARINE DRIVE, MUMBAI**

To showcase the achievements of Bollywood over the past 10 decades, an **Interpretation Centre for Indian Cinema** has been proposed. This project is planned at Mumbai's prime location on Marine Drive. Situated on a beach front property, overlooking the Arabian Sea, the proposed Interpretation Centre will serve as a facility to all levels of film enthusiasts, as well as those involved in the research of films and film making.

**SITE DETAILS:**

The site is approximately 5000 sqm

F.A.R =1

Ground Coverage = 50%

**PROJECT REQUIREMENTS:**

**Built up area** 5000 Sqm

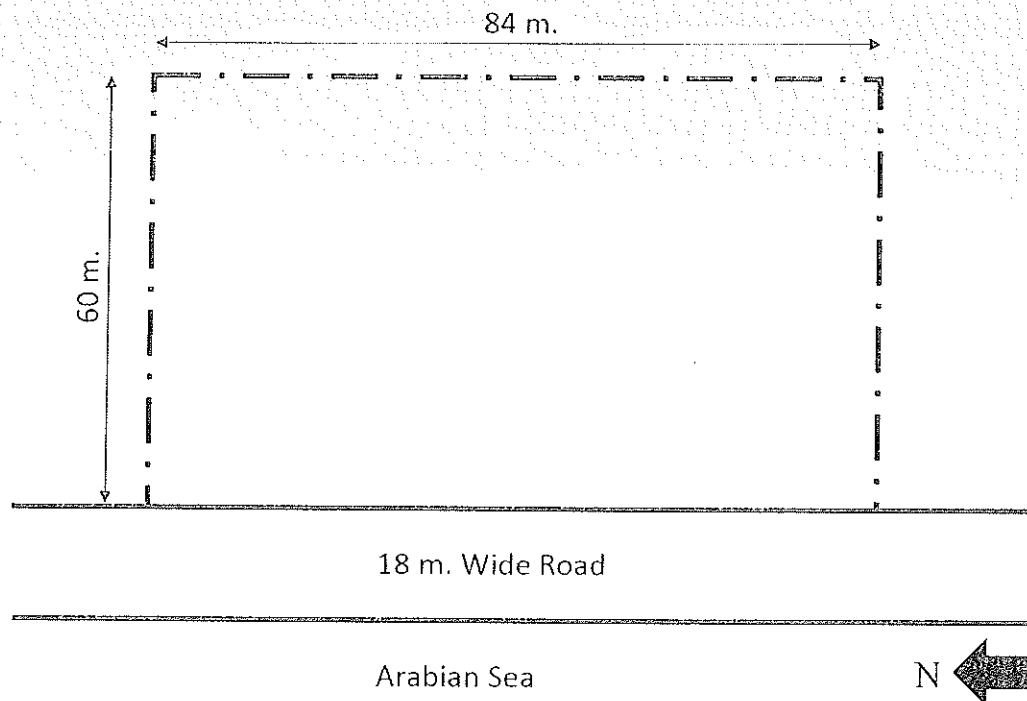
Area can be flexible up to 10-15%

Entrance lobby with help/information desk and waiting lounge

- Administrative for 10 users approximately 100 sqm
- Exhibition and display spaces approximately 1500 sqm
- Audio Visual Centre for 20 people approximately 50 sqm
- Virtual Reality Centre for around 20 people
- Research Centre for 50 people with Library having Print and Digital facilities (max 6 computers) along with Reference Sections and Archives
- Studio/Sets for Indoor and Outdoor approximately 1500sqm

- Storage for props and equipment
- Area for conducting acting/drama workshops
- Toilets for staff and visitors
- Cafeteria with kitchen and store with outdoor seating for maximum 100 people
- Any other relevant space that might be required or can be proposed for future.
- Consider adequate areas of circulation and services such as Fire safety, water and sanitation, electrical, mechanical, HVAC (if required), as per standards for the library.

*Note: Suitably provide for all other requirements such as, parking spaces etc. Assume all other necessary data and state the same.*



Site Plan (not in scale)

**Note:**

1. Existing vegetation should be part of design
2. Design should be barrier free.
3. Design shall be equipped to fulfill the light and ventilation requirements of the spaces with more emphasis on natural features.
4. Block model using thermocol/ivory sheets/white foam sheet shall be made at any of the stages 3, 4, or 5.
5. Assume suitable data wherever necessary.
6. Use of sketches to explain design schemes with reasons.

**Submission Requirements:**

**1. FIRST DAY SUBMISSION**

**Stage 1: Design Programme:**

- Users and activities
- Space and area requirement (facilitation, ambience, etc.)
- Design issues
- Design guidelines

(5 marks)

Page 2 of 3

**Stage 2: Site Analysis and Zoning:**

- Context (accessibility, site features, site surroundings, etc.)
- Climate
- Building rules and regulations (if applicable)
- Zoning showing major uses and circulation along with reasoning for the same
- Site structure plan
- Bubble diagrams on site, Horizontal and vertical zoning (if applicable)

(10 marks)

**Stage 3: Concept Development:**

- Statement / sketches of concept (related to function, form, structural systems, technologies, materials, environment, aesthetics, philosophy, theme, details, character, heritage, culture, local influences, etc.)
- Sketches showing initial design ideas / experience levels based on the concept
- On site volume/ form development with schematic sections based on function and user experiences, skyline and relationship of built – unbuilt spaces.

(5 marks)

**2. FINAL SUBMISSION (DETAILED DESIGN)**

**Stage 4: Design Development:**

- Conceptual design(s)
- Finalization of design - Complete with reasons/ logics for design decisions
- Refinement of final design

(5 marks)

**Stage 5: Design Scheme:**

- Master plan with all details (access, road network, circulations, open and built spaces, parking and other important features - 1: 200
- Floor plans with furniture layout - 1: 100
- Prominent elevation - 1: 100
- Detailed major section - 1: 100
- Views

(5+5+2+4+4 = 20 marks)

- 3. BLOCK MODEL** using thermocol/ white ivory card sheets/ white foam sheet shall be made at any of the stages 3, 4, or 5.

(5 marks)



