

GATE 2024 Architecture and Planning (AR) Question Paper

MCQ: Select the correct options:

- A) Neolamantia Odamba - cone shaped, poisonous fruits
- B) Plumeria alba - Flowering shrub
- C) Hibiscus - Flowers of red/pink/white/yellow colour
- D) Delonix regia - Flowering tree

Q: Correct options for "Oxidation Pond".

- A) It is Anaerobic process
- B) It is Aerobic process
- C) It doesn't require sunlight
- D) It doesn't reduce BOD of wastewater.

Q: Match the Education facilities with their respective "population served per unit"

College → 1.25 lakh

Integrated school ↓ → 90,000

Senior secondary school ↓ → 7500

Primary school → 5000

Q: Which has bowl shaped layout?

- A) Prastara
- B) Dardaka
- C) Karmuka
- D) Wandyavarta

Q: Present value of Rs. 50,000 with 15% salvage value after 5 Yrs. What will be the book value after 3 Yrs —?

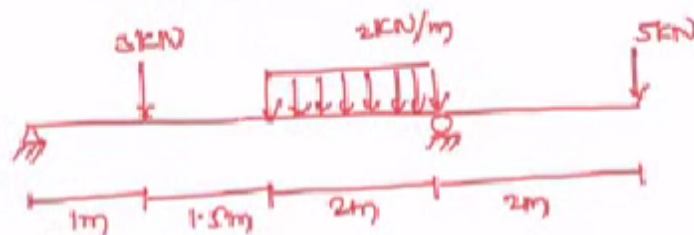
Q: Ramp of slope 1:12 for a height of 900mm. Landing of 1.5m length is provided after every 9m. Total horizontal lengths of ramp will be — m

Auditorium capacity of 1200 with $\frac{1}{3}$ Females & $\frac{2}{3}$ Male. WC requirement in integer is —

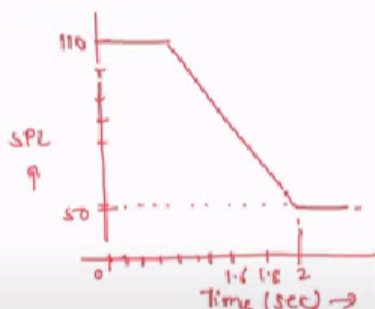
Female: 3 per 100 upto 200. 2 per 100 for 200 onwards

Male: 2 per 100 upto 400. 1 per 250 for 400 onwards.

Q: Maximum Hogging moment in given beam is —



Q:



$$\text{Volume} = 3500\text{m}^3$$

Taking R.7 from graph, total Absorption = ?