

## GATE 2024 Architecture and Planning (APR) Answer Key

Q: 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

1 - C&D

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 wastewaters.

2 - B

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

College → 1.25 lakh

Integrated school → 90,000

Senior secondary school → 7500

Primary school → 5000

3 - Matched

Q: Which has bowl shaped layout?

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

4 - C

Q: Present value of ₹ 1,50,000 with 15% salvage value after 5 Yrs. What will be the book value after 3 Yrs —?

5 - INR 24,500

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

6 - 12.3 Metres

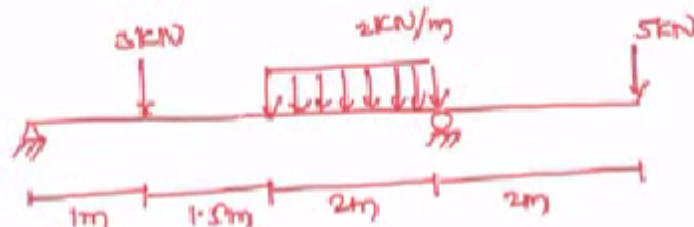
Auditorium capacity of 1200 with  $\frac{1}{2}$  females &  $\frac{1}{2}$  Male. WC requirement in integer is —

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

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

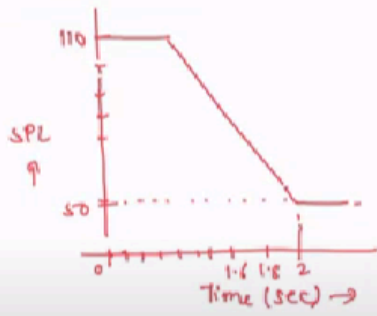
7 - 20

Q: Maximum Hogging moment in given beam is —



8 - 10 KNm

Q:



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

Taking R.T from graph, total Absorption = ?

9 - 280

