

## **GATE 2023 Architecture and Planning Question Paper** **(Memory-Based)**

**Question.** A hollow isosceles pyramid with a square base is suspended, where a parallel beam of light goes through it and falls on the screen. A pyramid can move in any direction. What type of image it will not create?

**Answer.** It will not create a Real Image.

**Question.** Match the following: Question about trip distribution, trip destination, trip generation // theories relating to it.

**Question.** What is the command in Autocad 3D for: a surface is shown to be swept along a path line?

**Answer.** SWEEP Command.

**Question.** As per URDPFI 2015 match: An urban unit with its corresponding population category.

**Question.** What are the following correct about Composting: Options: Helps fertilizer to work more efficiently?

**Question.** Numerical: As per no. Of days and activities, calculate the date of activity completed. (Float calculation)

**Question.** As per the given rainwater data and consumption of water in lpcd of 3 membered families, calculate the total no. of days in which rainwater can be consumed by the family.

**Question. The ratio of size of Japanese tatami**

**Answer.** 90 cm x 180 cm

**Question. Which material is used for cleaning a marble after polishing**

- 1) Baking Soda
- 2) White Cement
- 3) Bleaching Powder
- 4) Acetic Acid

**Answer.** 1 - Baking Soda

**Question. I heard some unwavering voices in the drawing room, I couldn't stand to knock so I decided to take the passage, the passage was dark and opened into a bright kitchen (it's a scene that will be created using 4 sentences)**

**Question. What are the biosphere reserves included in the Man and Biosphere scheme by the UN?**

**Answer.** Biosphere Reserve of the Western Ghats, India

**Question. Sets(S, T) are made out of {1, 2,3,4,5,6}. How many sets are possible with the condition that S is a subset of T?**

**Answer.** There are 4032 possible sets T that satisfy the condition that S is a subset of T, when S and T are made out of the set {1, 2, 3, 4, 5, 6}.