

MAH CET 2023 Question Paper March 26 Shift 1 (Memory-Based)

Question: X number of boosters checked into a hotel, but found that the rooms (y in number) were too few for each to have one. Two rooms would remain vacant if each room was occupied by 2 and 7 rooms would remain vacant if each room was occupied by 4.

What is $x-y$?

- A. 16
- B. 10
- C. 12
- D. 9
- E. 8

Answer: E

Question: The position of how many digits in the number 523169 will remain unchanged if the digit within the number are written in ascending order from left to right?

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4

Answer: E

Question: Tanuj takes a big cube whose sides are 4 cm each & cuts them equally into smaller cubes having sides which are 1 cm each. How many smaller cubes will he get?

- A. 16
- B. 32
- C. 64
- D. 128
- E. 256

Answer: C

Question: If today is Sunday, what will be the day on 7775th day from today?

- A. Tuesday
- B. Wednesday
- C. Thursday
- D. Friday

E. Saturday

Answer: D

Question: An English calendar for a leap year repeats itself after a gap of at least how many years?

- A. 20
- B. 28
- C. 32
- D. 34
- E. 40

Answer: B

Question: A bag contains 1 rupees, 50 paise and 25 paise coins in the ratio of 8:5:3. If the total amount of money in the box is Rs. 112.5, the number of 50 paise coins is:

- A. 42
- B. 25
- C. 80
- D. 50
- E. 30

Answer: D

Question: Which of the following year will have same calendar exactly as 2009

- A. 2015
- B. 2018
- C. 2019
- D. 2020
- E. 2022

Answer: A

Question: 125 small identical cubes have been put together to form a large cube. How many such small cubes shall be needed to cover this large cube completely?

- A. 240
- B. 218
- C. 210
- D. 45
- E. 120

Answer: B

Question: Quennie throws 2 ordinary dice and notices that the number on the sides that lie exactly opposite to the sides that face her are 3 and 6 respectively. What shall be the sum total of the number faces of both the dice?

- A. 5
- B. 6
- C. 7
- D. 9
- E. 11

Answer: A

Question: If Vishal is to the south of Virat and Vani is to east of Virat. Which direction is Vani located with respect to Vishal?

- A. South
- B. South-East
- C. North-East
- D. East
- E. North-West

Answer: C

A 4 digit number is formed by using only the digits 1, 2 and 3 such that both 2 and 3 appear at least once. The number of all such 4 digit numbers shall be which of the following.

- A. 30
- B. 35
- C. 40
- D. 45
- E. 50

Answer: E

Question: Mantre's faulty compass shows West as North-East, North as South-East. What direction shall it actually be when it shows South-West.

- A. W
- B. North-East
- C. South-East
- D. East
- E. South-West

Answer: D