

# TS EAMCET 2026 May 9 Shift 2

## Question Paper (Memory-Based)

Conducted by JNTU, Hyderabad)



### General Instructions

- (i) The test is of 3 hours duration.
- (ii) This test paper consists of 160 questions. The maximum marks are 720.
- (iii) Physics and Chemistry contains 40 questions each and Mathematics contains 80 questions.
- (iv) Each question carries +1 marks for correct answer and there is no negative marking for wrong answer.

1. If the percentage error in the radius of a circle is 3, then the percentage error in its area is

- (A)  $\frac{3}{2}$
- (B) 2
- (C) 6
- (D) 4

2. The area of the region bounded by  $y = x^3$ , x-axis,  $x = -2$  and  $x = 4$  is

- (A)  $\frac{66}{5}$
- (B) 64
- (C)  $\frac{81}{4}$
- (D) 68

3. There are two boxes each containing 10 balls. In each box, few of them are black balls and

rest are white. A ball is drawn at random from one of the boxes and found that it is black. If the probability that the black ball drawn is from the second box is  $\frac{1}{5}$ , then number of black balls in the first box is

- (A) 3 or 6 or 9
  - (B) 5 or 10
  - (C) 4 or 8
  - (D) 2 or 7
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4. Number of real values of  $(-1 - \sqrt{3}i)^{3/4}$  is

- (A) 1
  - (B) 0
  - (C) 2
  - (D) 3
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5. The number of normals that can be drawn through the point  $(2, 0)$  to the parabola  $y^2 = 7x$  is

- (A) 1
  - (B) 0
  - (C) 3
  - (D) 2
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6. If three dice are thrown at a time, then the probability of getting the sum of the numbers on them as a prime number is

- (A)  $\frac{3}{8}$
- (B)  $\frac{73}{216}$
- (C)  $\frac{5}{54}$
- (D)  $\frac{4}{27}$

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**7. The range of weak nuclear force is of the order of**

- (A)  $10^{16}$  m
- (B)  $10^{-10}$  m
- (C)  $10^{10}$  m
- (D)  $10^{-16}$  m

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**8. The temperature at which the reading on Fahrenheit scale becomes 90% more than the reading on Celsius scale is**

- (A) 608 °F
- (B) 320 °F
- (C) 580 °F
- (D) 280 °F

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**9. Which of the following is a lung irritant that can lead to an acute respiratory disease in children?**

- (A) CO
- (B) SO<sub>2</sub>
- (C) CO<sub>2</sub>
- (D) NO<sub>2</sub>