

KEAM 2024 Mathematics Model Question Paper PDF 3

- 1. In how many different ways can the letters of the word 'BLOATING' be arranged?
- 2. 64 men can complete a piece of work in 40 days. In how many days can 32 men complete the same piece of work?
- 3. What is the area of a circle whose circumference is 1447 meters? (Use π = 3.14)
- 4. The ratio of the ages of a father and son is 17:7, respectively. Six years ago the ratio of their ages was 3:1, respectively. What is the son's present age?
- 5. What is the area of a circle whose radius is 10 meters? [Use π = 3.14]
- 6. The probability that A hits a target is 1/3 and the probability that B hits it is 2/5. What is the probability that the target will be hit if both A and B shoot at it?
- 7. A die is rolled. If the outcome is an odd number, what is the probability that it is prime?
- 8. Find the value of tan-1 (tan $2\pi/3$)
- 9. If tan A = 3/4, prove that Sin A Cos A = 12/25.
- 10. A die is thrown once. Find the probability of getting

