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CTET Dec 2019 P1 Mathematics Questions Previous Paper Part 1

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Mathematics

31. Three brands of pens A, B and C are available in packets of 10, 12 and 24 respectively. If a shopkeeper wants to buy equal number of pens of each brand, what is the minimum number of packets of each brand, he should buy?

- A. $A = 10, B = 12, C = 5$
- B. $A = 5, B = 12, C = 10$
- C. $A = 10, B = 5, C = 12$
- D. $A = 12, B = 10, C = 5$

32. The side of a square is 4 cm. It is cut into 4 equal squares. What is the area of each small square?

- A. 4cm^2
- B. 1cm^2
- C. 16cm^2
- D. 8cm^2

33. Which of the following statements is not correct?

- A. All prime numbers are odd numbers.
- B. There are infinitely many prime numbers.
- C. A prime number has only two factors.
- D. There are only four single digit prime numbers.

34. A number that is divisible by all the numbers from 1 to 10 (both inclusive) is

- A. 10
- B. 100
- C. 604
- D. 2520

35. Ayesha has only ₹ 5 and ₹ 10 coins with her. If the total number of coins she has is 25 and the amount of money with her is ₹ 160, then the number of ₹ 5 and ₹ 10 coins with her

are

- A. 18 and 7 respectively
- B. 10 and 15 respectively
- C. 15 and 10 respectively
- D. 20 and 5 respectively

36. Evaluate:

$$17.5 \times 3 - 21 \div 7 - 3 \times 12.5$$

- A. 52.5
- B. 12
- C. 120
- D. 50

37. One-sixth of the trees in a garden are neem trees. Half of the trees are Ashoka trees and the remaining are eucalyptus trees. If the number of neem trees is five, how many eucalyptus trees are there in the garden?

- A. 5
- B. 10
- C. 15
- D. 20

38. A train leaves Delhi on 29th August, 2019 at 16: 30 hours and reaches its destination on 31st August at 08: 45 hours. The total travel time of the journey is

- A. 36 hours 15 minutes
- B. 38 hours 45 minutes
- C. 39 hours 45 minutes
- D. 40 hours 15 minutes

39. In which of the following, lengths have been arranged in decreasing order?

- A. 8500 mm, 800 cm 8 mm, 80 dm 8 cm, 8 m
- B. 80 dm 8 cm, 8500 mm, 8 m, 800 cm 8 mm
- C. 8 m, 80 dm 8 cm, 8500 mm, 800 cm 8 mm
- D. 8500 mm, 80 dm 8 cm, 800 cm 8 mm, 8 m

40. A 180 cm long wire is formed into a rectangle. If the width of this rectangle is 30 cm, what is its length?

- A. 45 cm
- B. 60 cm
- C. 90 cm
- D. 120 cm

41. When asked to write 44, some students of grade II wrote it as 404. As a teacher, how will you address this?

- A. correct their answer in their copies
- B. explain principle of exchange using concrete material
- C. group them with those who have done it correctly
- D. tell them to find out correct answer