

KANKOR EXAMINATION

Mathematics – Practice Question Paper | Set 4

20 Multiple-Choice Questions	Practice Set	English Language
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Instructions: Choose the best answer. Mark one option (A, B, C or D) for each question.

Section A

Q1. If $a = 4$ and $b = 3$, $a^2 + b^2$ equals:

- A. 12
- B. 16
- C. 25
- D. 49

Q2. What is $\sqrt{144}$?

- A. 10
- B. 11
- C. 12
- D. 14

Q3. The probability of getting a head on a fair coin is:

- A. 0
- B. $\frac{1}{4}$
- C. $\frac{1}{2}$
- D. 1

Q4. What is $\frac{7}{8} + \frac{1}{8}$?

- A. $\frac{1}{2}$
- B. 1
- C. $\frac{7}{8}$
- D. $\frac{9}{8}$

Q5. A rectangle has length 12 and width 5. Its perimeter is:

- A. 17
- B. 34
- C. 60
- D. 120

Section B

Q6. What is $\log_{10}(100)$?

- A. 1
- B. 2
- C. 10
- D. 100

Q7. If $x:y = 4:5$ and $x = 20$, y is:

- A. 15
- B. 20
- C. 25
- D. 30

Q8. The derivative of x^2 is:

- A. x
- B. $2x$
- C. x^2
- D. 2

Q9. If $3x + 5 = 20$, what is x ?

- A. 3

- B. 5
- C. 7
- D. 9

Q10. What is the HCF of 24 and 36?

- A. 6
- B. 8
- C. 12
- D. 18

Section C

Q11. What is 15% of 200?

- A. 20
- B. 25
- C. 30
- D. 35

Q12. The roots of $x^2 - 5x + 6 = 0$ are:

- A. 1,6
- B. 2,3
- C. -2,-3
- D. 3,5

Q13. What is the area of a circle of radius 7 cm? Use $\pi = 22/7$.

- A. 44
- B. 88
- C. 154
- D. 308

Q14. What is $\sin 30^\circ$?

- A. $1/2$
- B. $1/\sqrt{2}$
- C. $\sqrt{3}/2$
- D. 1

Q15. The sum of angles of a triangle is:

- A. 90°
- B. 180°
- C. 270°
- D. 360°

Section D

Q16. What is the next term: 2, 5, 8, 11, ...?

- A. 12
- B. 13
- C. 14
- D. 15

Q17. If $a:b = 2:3$ and $b = 12$, a is:

- A. 6
- B. 8
- C. 9
- D. 18

Q18. What is the value of $2^3 \times 2^2$?

- A. 16
- B. 24
- C. 32
- D. 64

Q19. A line with slope 0 is:

- A. vertical
- B. horizontal
- C. curved
- D. undefined

Q20. What is the mean of 4, 6, 8, 10?

- A. 6
- B. 7
- C. 8
- D. 9

Answer Key

1. C	2. C	3. C	4. B	5. B
6. B	7. C	8. B	9. B	10. C
11. C	12. B	13. C	14. A	15. B
16. C	17. B	18. C	19. B	20. B

Note: This is an original Kankor-style practice paper, not an official past examination paper.