WSC-MCQ33-1ST-ALL

ITI Quiz - 18-Mar-2026 12:58 PM

Q. ID: ITISKILL8015CC

March 2026 | **Sri Mahalingeswara ITI** | Question Paper

Duration: 30 Mins | **Total Marks: 33** | **ID: ITISKILL8015CC**

Student Name: _____ Roll No: _____

1. What is the value of x if 13+x =20?

A) 7 B) 9
C) 13 D) 8

2. What is the value of (6³) / ((-3)³) ?

A) 8 B) (-27)
C) (-8) D) 27

3. What is the value of a x a² x a³ x a⁴?

A) a⁸ B) a¹⁰
C) a⁹ D) a⁷

4. What are the three consecutive numbers if there sum is 42?

A) 14,15,16 B) 13,14,15
C) 11,12,13 D) 12,13,14

5. What is the value of 'X' if x - y = 6 and x + y = 8?

A) 6 B) 5
C) 14 D) 7

6. What is the value of 5x⁴ / 5x³ ?

A) x B) 5x
C) 5x⁴/³ D) 5x²

7. What is the expanded form of (a+b)²?

A) (-a² - 2ab + b²) B) a² + 2ab + b²
C) a² + 2ab - b² D) a² - 2ab + b²

8. What is the value of adding (5x+2y), (4x - 7z) and (15z - 3y)?

A) 9x - y + 8z B) 9x + y - 8z
C) x - 9y + 8z D) x + 9y + 8z

9. What is the value of x³+3y²x² if x=3, y=2?

A) 63 B) 54
C) 81 D) 135

10. What is the value of 12x³y² / 4x²y?

A) (-3xy) B) 16xy
C) 3xy D) 8xy

11. What is the value of any number raised to the power of 0?

A) (-1) B) 1
C) 0 D) Alpha (?)

12. What is the value of (a⁵)⁷?

A) a³⁵ B) a1²
C) a²1 D) a²²

13. What is the expansion of (a+b+c)²?

A) a² + b² + c² + 2ab - 2bc + 2ca B) a² + b² + c²- 2ab + 2bc + 2ca
C) a² + b²+ c²+ 2 (ab + bc + ca) D) a² - b² - c² + 2ab + 2bc + 2ca

14. Which is equal to (a^m)ⁿ?

A) a^{mn} B) a^{m+n}
C) a^{m/n} D) a^{m-n}

15. What is the formula for (a-b)²?

A) a² + 2ab + b² B) (-a² - 2ab - b²)
C) a²- 2ab + b² D) a² - 2ab - b²

16. What is the subtracted value of 3x - 4x² +2y² from 4y²-2x + 8x²?

A) 2y²+ 5x -12x²
B) 2y² - 5x -12x²
C) (-2y²-5x + 12x²)
D) 2y²- 5x + 12x²

17. Which is the formula for a^m/ aⁿ

A) a^{m-n}
B) a^{mxn}
C) (a^m)ⁿ
D) a^{m+n}

18. What is the value of x if (x + 2) / 2 = 19?

A) 35
B) 36
C) 38
D) 33

19. Which is expanded form of a³-b³?

A) (a+b) (a² - b²- ab)
B) (a-b) (a² - b²+ ab)
C) (a-b) (a² - b² - ab)
D) (a-b) (a² + b² + ab)

20. What is the value of 1 / a⁻⁵?

A) a⁻⁵
B) a⁵
C) 5a
D) (-5a)

21. What is the simplified value of (3x + 15) / 5x + 25)

A) (5/3)
B) (-5/3)
C) (3/5)
D) (-3/5)

22. Which is the expansion of a³ + b³?

A) a³ - b³ + 3ab (a-b)
B) (a-b) (a² + b² - ab)
C) (a+b) (a² + b² - ab)
D) a³ + b³ + 3ab (a+b)

23. What is the value of x²-y² if (x+y) = 9, (x - y) = 4?

A) 36
B) 65
C) 46
D) 13

24. What is the value of x if 11x+4=37?

A) 2
B) 3
C) 5
D) 4

25. What is the value of x, if x*(120) = 960?

A) 8
B) 7
C) 6
D) 10

26. What is the value of ab if (a+b)²=36 (a-b)²=24?

A) 4
B) 3
C) 6
D) 2

27. What is the value of 14x+3y+25x+2y?

A) 39x + 5y
B) 44xy
C) 16x + 28y
D) 17x + 27y

28. What is the value of a²+b² if a+b=9 and ab = 20?

A) 41
B) 121
C) (-41)
D) (-121)

29. Which is equal to (a+b)²-(a-b)²

A) 5ab
B) 3ab
C) 4ab
D) 2ab

30. What is the value of 625⁰?

A) 1
B) 25
C) 0
D) 525

31. What is the multiplication value of 5a²b x 8a⁵b³?

A) 40a⁷b⁴
B) 40a³b²
C) 40a²b³
D) 40a⁴b⁷

32. What is the value of x, if 3 (2x - 4) = -4x + 28 ?

A) 4
B) 6
C) 8
D) 12

33. What is the formula for a^m x aⁿ?

A) n.a^m
B) a^{m-n}
C) a^{m+n}
D) a^{mn}