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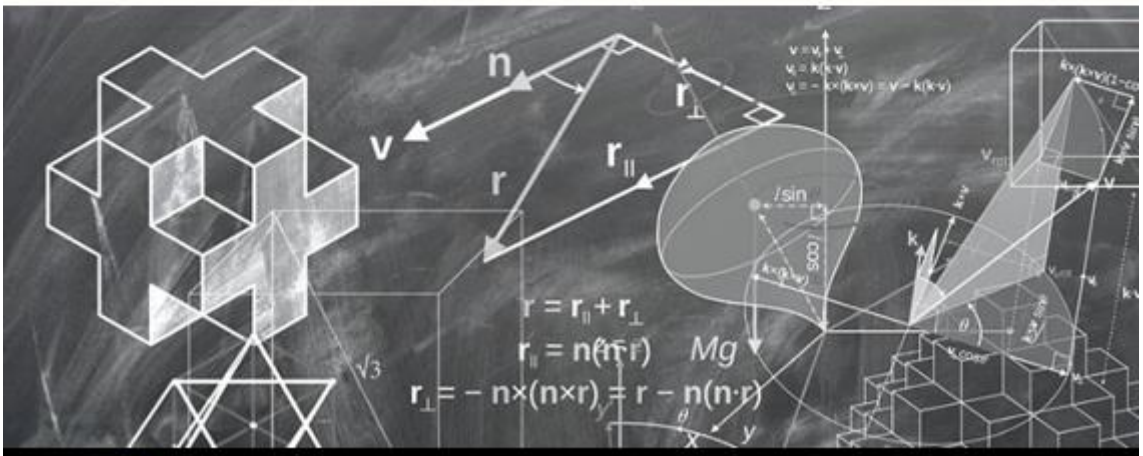
Mathematics
Repeated MCQs

By Prof. FAZAL REHMAN SHAMIL



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Maths MCQs

Maths MCQs

Let's begin with some important Maths MCQs.

1. Methods to find L.C.M is/are
A. 5
B. 4
C. 1
D. 2

☐ **Answer - Click Here:**

C

2. What is meant by Prime Numbers?
A. divided by any Number
B. divided by Even Numbers
C. divided by Number 1 & by itself Number
D. divided by Odd Numbers

☐ **Answer - Click Here:**

C

3. What is the greater of the two if the division of 2 consecutive odd integers gives 0.71 as the result?
A. 7
B. 6
C. 4
D. 9

☐ **Answer - Click Here:**

A

4. Methods to find H.C.F are
A. 5
B. 2
C. 1
D. None of these

☐ **Answer - Click Here:**

B

5. Which one is false if an integer R leaves a remainder 5 when it is divided by 8?
A. Number 5 less than R is a multiple of 8.
B. When multiplied by 3 R always gives a result which is completely divisible by 2.
C. None of these
D. All of these

☐ **Answer - Click Here:**

B

6. 12 inches equal to how many centimeters?
A. 30.48
B. 27
C. 32.12
D. 23
E. None of the above

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only

☐ **Answer - Click Here:**

A

7. Simplify 5⁄2 ÷ 1⁄x

A. 2 / 5x
B. 2x / 5
C. 5x / 2
D. 5 / 2x
E. None of the above

☐ **Answer - Click Here:**

C

8. Which is closest to 0.5?

A. 1?9
B. 1?2
C. 1?3
D. None of these

☐ **Answer - Click Here:**

B

9. What comes next in the sequence: 2, 4, 10, 28, __?

A. 74
B. 80
C. 66
D. 82
E. None of the above

☐ **Answer - Click Here:**

D

10. Who is known as the Father of Calculus?

A. Isaac Newton
B. Herodotus
C. Aristotle
D. Al-Khwarizmi

☐ **Answer - Click Here:**

A

11. Simplify a(c – b) – b(a-c)

A. ac + 2ab + bc
B. ac – 2ab + bc
C. ac – 2ab – bc
D. ac + bc

☐ **Answer - Click Here:**

B

12. √(6400/22500) =?

A. 101021
B. 5?43

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C. 8?21
D. 8?15

☐ **Answer - Click Here:**

D

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Maths Multiple Choices Questions

Maths Multiple Choices Questions

Let's begin with some important MathsMultiple Choices Questions.

1. 1 inch = _____?
A. 3.4 cm
B. 2.54 cm
C. 2.64 cm
D. None of these

☐ **Answer - Click Here:**

B

2. In matrices (a + b)t equals to:

A. At + Bt
B. At Bt
C. At
D. Bt

☐ **Answer - Click Here:**

A

3. 45/12+45/12+45/12 =?
A. 14.32
B. 12.35
C. 11.25
D. 10.9
E. None of these

☐ **Answer - Click Here:**

C

4. What is the expression of the highest degree which divides each of two or more algebraic expressions without remainder?
A. L.C.M
B. rational expression
C. H.C.F
D. None of these

☐ **Answer - Click Here:**

C

5.Expand and simplfy (x – 5)(x + 4)

A. x2 – x – 3
B. x2 – x – 20
C. x2 + 9x – 20
D. x2 – x – 7
E. None of these

☐ **Answer - Click Here:**

B

6. (10/20) x 10 x (20/20) + (10/20) x 10 x (20/20) = ?
A. 100?10
B. 20?20
C. 30

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D. 10?4

☐ **Answer - Click Here:**

A

7. exp1 * exp2 /L.C.M =

A. H.C.F * L.C.M
B. L.C.M
C. H.C.F + L.C.M
D. H.C.F
E. None of these

☐ **Answer - Click Here:**

D

8. Expand & simplify (x – y)(x + y)

A. x2 – 2xy + y2
B. x2 + 2xy + y2
C. x2 – y2
D. None of these

☐ **Answer - Click Here:**

C

9. Which one is true?
A. 1?3? 0.31
B. 45 ?40 ? 5
C. 250 / 200=2.25
D. 141 x 11 = 1332

☐ **Answer - Click Here:**

B

10. What is the expression of the lowest degree which is divisible by each of two or more algebraic expressions without remainder?

A. L.C.M
B. H.C.F
C. rational expression
D. None of these
E. None of these

☐ **Answer - Click Here:**

A

11. Which of the following is false if y and z are integers and the sum of y and z is odd?
(I) y and z are even (II) y is odd and z is even (III) y is even and z is odd
A. III only
B. II and III both
C. I and II both
D. All of these

☐ **Answer - Click Here:**

C

12. What is the smallest of the five if the sum of five different prime numbers is an even number?
A. 2
B. 0
C. 2
D. 1

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Answer - Click Here:

C

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MCQs of Algebra

MCQs of Algebra

Let's begin with some most important MCs of Algebra.

1. After simplifying this equation (a^(-1 / 3) × a^(1 / 3)) / a^(-1 / 2) result will be equal to?

A. a^(1 / 2)
B. a^(-1 / 2)
C. a^(-7 / 18)
D. All of these2. What is the logarithmic form of '2&sup6; = 64 is?

☐ **Answer - Click Here:**

A

3. Logarithm which is base to 'x' of 'y/z'=?

A. (logarithm to the base 'x' of 'y') + (logarithm to the base 'x' of 'z')
B. (logarithm to the base 'x' of 'y') – (logarithm to the base 'x' of 'z')
C. (logarithm to the base 'x' of 'y') × (logarithm to the base 'x' of 'z')
D. None of the these

☐ **Answer - Click Here:**

B

4. On solving x + 2y = 13, x + y + z = 12, 2y + z = 11, answer will be?

A. x = 4, y = 5, z = 3
B. x = 3, y = 5, z = 4
C. x = 3, y = 4, z = 5
D. x = 5, y = 4, z = 3

☐ **Answer - Click Here:**

D

5. By simplify 2p – 3q – 4r + 6r – 2q + p?

A. 7p + 5r
B. 8q -5r
C. 3p – 5q + 2r
D. 10p + 3q – 5r

☐ **Answer - Click Here:**

C

6. What is the factorization of 3x – 9xy – 12z?

A. 3(x + 3y – 4z)
B. 3(x – 3y + 4z)
C. 3(x + 3y + 4z)
D. 3(x – 3y – 4z)

☐ **Answer - Click Here:**

D

7. After simplify the equation -3/5b x 5/9, answer is?

A. 1/3b

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B. 3b
C. 5bh
D. All of these

☐ **Answer - Click Here:**

A

8. What is the answer to this expression 4[3s – 2(6s – 8)]?

A. 12s -16
B. 12s + 16
C. 12s + 16
D. None of these

☐ **Answer - Click Here:**

B

9. What will be the answer of this algebraic expression 2{4a + [-b -5(c + ab)]}?

A. 7a – 3b + 11c
B. 3b + 10c
C. 4a + 6b + 12c
D. All of these

☐ **Answer - Click Here:**

C

10. On solving this equation 2/6 (3a + 2b) – 1/2 (2a + 4b) -2(12a – 6b), answer will be?

A. -2a + 4b
B. -6a – 7b
C. 5a + 6b
D. 7a – 8b

☐ **Answer - Click Here:**

A

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MCQs of Arithmetic

MCQs of Arithmetic

Let's begin with some most important MCs of Arithmetic

1. What is the missing number in 2,3,5,7,11,_,17?
A. 9
B. 15
C. 13
D. None of these

☐ **Answer - Click Here:**

C

2. What will be the Common difference of sequence 5,8,11,14,...?

A. 3
B. 4
C. 1
D. 0

☐ **Answer - Click Here:**

A

3. This series is called 2,4,6,8,10,12,... ?

A. Geometric series
B. A.P
C. arithmetic series
D. G.P

☐ **Answer - Click Here:**

B

4. What is the fraction of 5%?
A. 1/25
B. 1/20
C. 1/20
D. 1/30

☐ **Answer - Click Here:**

C

5. What is the Average of 1,2,3,4,5?
A. 3
B. 5
C. 4
D. 0

☐ **Answer - Click Here:**

A

7. Express 10 Percent of 100?
A. 5
B. 3
C. 15
D. 10

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☐ **Answer - Click Here:**

D

8. What is the percentage of 1.09?
A. 10.9%
B. 109%
C. 1.09%
D. None of these

☐ **Answer - Click Here:**

B

9. What will be the answer to this series(-5)x(-4)X(-3)?
(A) 180
(B) 60
(C) -60
(D) All of these

☐ **Answer - Click Here:**

C

10. 6+(5×42+3) is equal to?
A. 89
B. 98
C. 99
D. 100

☐ **Answer - Click Here:**

A

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MCQs of Boolean Algebra

MCQs of Boolean Algebra

Let's begin with some most important MCs of Boolean Algebra.

1. switching algebra is also called?
A. Boolean algebra
B. algebra
C. arithmetic algebra
D. linear algebra

☐ **Answer - Click Here:**

A

2. According to the law of Boolean algebra absorption, which is correct?
A. (x+y)=xy
B. x+xy=x
C. xy+y=x
D. None of these

☐ **Answer - Click Here:**

C

3. A Boolean function may convert into?
A. map
B. matrix
C. logical graph
D. logical diagram

☐ **Answer - Click Here:**

D

4. What is meant of this equation X*y = y*x?
A. associative law
B. identity element
C. commutative law
D. inverse property

☐ **Answer - Click Here:**

B

5. Which expression shows the commutative law of multiplication?
A. AB = B + A
B. A + B = B + A
C. AB = BA
D. All of these

☐ **Answer - Click Here:**

C

6. Which expression express the distributive law of Boolean algebra?
A. A(B + C) = AB + AC
B. (A + B) + C = A + (B + C)
C. A(BC) = (AB) + C
D. None of these

☐ **Answer - Click Here:**

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A

7. The equation is C + CD is equal to?
A. C + D
B. D
C. A
D. None of these

☐ **Answer - Click Here:**

D

8. In Boolean algebra, What is meant of this word "literal"?
A. the inverse function
B. a product term
C. a variable or its complement
D. All of the above

☐ **Answer - Click Here:**

C

9. By converting the Boolean expression LM + M(NO + PQ) into SOP then we get?
A. LM + MNOPQ LM + M + NO + MPQ
B. LM + MNO + MPQ
C. LM + MNOPQ
D. L + MNO + MPQ

☐ **Answer - Click Here:**

B

10. Which expressions is in (SOP) form?
A. AB(CD)
B. (A + B)(C + D)
C. AB + CD
D. (A)B(CD)

☐ **Answer - Click Here:**

C

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MCQs of Calculus

MCQs of Calculus

Let's begin with some most important MCs of Calculus

1. What is the limit of sin(θ)/θ when θ approaches zero?
A. 1
B. sin(θ)
C. 0
D. None of these

☐ **Answer - Click Here:**

A

2. What will be the condition for L'Hôpital's Rule to work?
A. The function must possess at least three non-zero derivatives
B. The function must be determinate.
C. The function must be indeterminate.
D. The function must be inconsistent.

☐ **Answer - Click Here:**

C

3. What's mean when we say that f "(k) = 0 @ (13, -2)?
A. There definitely is not an inflection point at that location.
B. There's no way to tell without first knowing what the specific function is.
C. There is definitely an inflection point at that location.
D. There might be an inflection point at that location.

☐ **Answer - Click Here:**

D

4. What will be the second step when we performing anti-differentiation?
A. Multiply the coefficient by the new exponential value.
B. Divide the coefficient by the new exponential value.
C. Divide the coefficient by the old exponential value.
D. Subtract the new exponential value from the coefficient.

☐ **Answer - Click Here:**

B

5. When f(x) = 3×2, then F(x) is equals to?
A. x3 + C
B. 6x + C
C. 6x
D. x3

☐ **Answer - Click Here:**

A

6. What will be the types of errors that are related to differentials?
A. Relative, Controllable.
B. Controllable, Natural.
C. Human, Absolute
D. Absolute, Relative

☐ **Answer - Click Here:**

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D

7. What is meant of the differential?
A. A word used a lot on a popular medical television series.
B. A method of directly relating how changes in a dependent variable affect changes in an independent variable.
C. A gearbox on the back end of your car.
D. None of these

☐ **Answer - Click Here:**

D

8. What is required for full determination of an anti-differentiated function?
A. Its real-world application
B. What its value is at (0, 0).
C. A boundary condition.
D. A lot of luck

☐ **Answer - Click Here:**

C

9. If G(d) determined to 3d + C; then C is called:
A. the constant of integration.
B. the constant of death and taxes.
C. the constant of differentiation.
D. the constant of anti-differentiation.

☐ **Answer - Click Here:**

A

10. What is the answer to **∫1/x dx?**
A. loge(x)
B. Undefined because you cannot divide by zero
C. ln(x) + C
D. ln(x)

☐ **Answer - Click Here:**

C

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MCQs of Chaos Geometry

MCQs of Chaos Geometry

Let's begin with some most important MCs of Chaos Geometry.

1. By two given lines how many straight lines can be drawn?
A. Three
B. Two
C. Only one
D. None of these

☐ **Answer - Click Here:**

C

2. How are many numbers of lines required to make a closed figure?
A. Three
B. Five
C. Six
D. None of these

☐ **Answer - Click Here:**

A

3. In one point how many lines can pass?
A. four
B. one
C. three
D. two

☐ **Answer - Click Here:**

B

4. How many dimensions are in solid?
A. four
B. five
C. two
D. three

☐ **Answer - Click Here:**

D

5. A point that lies on the x-axis?
A. (2, 0)
B. (3, 2)
C. (-3, 2)
D. All of these

☐ **Answer - Click Here:**

A

6. A point that lies on the y-axis?
A. (1, 3)
B. (0, 3)
C. (5, 2)
D. (-2,-3)

☐ **Answer - Click Here:**

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only

B

7. A point that lies in the IV quadrant?

A. (-2, 3)
B. (-3,-4)
C. (2,-4)
D. (0, 1)

☐ **Answer - Click Here:**

C

8. A point that lies above the x-axis?

A. (0,-3)
B. (2, 0)
C. (-1,-5)
D. (-1, 2)

☐ **Answer - Click Here:**

D

9. A point that lies to the right of the y-axis?

A. (-3,-2)
B. (3, 5)
C. (-2,-1)
D. (0, 3)

☐ **Answer - Click Here:**

B

10. A line that is parallel to y=x-2?

A. y=3x+1
B. 2y=x+7
C. 2y=2x-6
D. y=2x+1

☐ **Answer - Click Here:**

C

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MCQs of Conic

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MCQs of Conic

Let's begin with some most asked important MCs of Conic.

1. The line which is perpendicular to the tangent line is called?
A. derivative
B. limit
C. secant line
D. normal line

☐ **Answer - Click Here:**

D

2. What is the eccentricity of an ellipse?
A. 0 < e < 1
B. e > 1
C. e < 1
D. e = 1

☐ **Answer - Click Here:**

A

3. What is the perpendicular distance from the point (3,−4) to the line
3×2−4x+10=0?
A. 6
B. 9
C. 7
D. 12

☐ **Answer - Click Here:**

C

4. Which point of a parabola is closest to the focus is?
A. directrix
B. vertex
C. eccentricity
D. latus rectum

☐ **Answer - Click Here:**

A

5. How many points in which the line y=mx+c intersects the circle x2+y2=a2?
A. 6
B. 2
C. 5
D. 4

☐ **Answer - Click Here:**

B

6. What is the center of the circle of this equation 4×2+4y2-8x+12y-25=0?
A. (-2,3)
B. (2,-3)
C. (4,-6)
D. (-4,6)

☐ **Answer - Click Here:**

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onlyC

7. What is the radius of the circle of this equation 4×2+4y2-8x+12y-25=0?
A. 7
B. 10
C. 12
D. None of these

☐ **Answer - Click Here:**

D

8. What is the length of latus rectum If the distance between vertex and focus is 3?
A. 8
B. 12
C. 4
D. None of these

☐ **Answer - Click Here:**

B

9. The discriminant of a conic is h2-ab=0, then it is called?
A. ellipse
B. hyperbola
C. parabola
D. circle

☐ **Answer - Click Here:**

C

10. What is the focus of the parabola y2=-8(x-3)?
A. (1,0)
B. (0,0)
C. (1,1)
D. (0,1)

☐ **Answer - Click Here:**

A

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MCQs of Geometry

MCQs of Geometry

Let's begin with some most important MCs of Geometry.

1. The midpoint of the line joining two points (36, 6) and (16, 4) are:
A. (1, 10)
B. (5, 26)
C. (10, 1)
D. (26, 5)
E. None of These

☐ **Answer - Click Here:**

D

2. A line segment is formed by joining
A. more than three points
B. two points
C. four points
D. three points
E. None of These

☐ **Answer - Click Here:**

B

3. Which of the following is an obtuse angle?
A. 8⁄20 of a complete rotation
B. 11⁄21 of a right angle
C. 8⁄20 of a right angle
D. 11⁄21 of a complete rotation
E. None of These

☐ **Answer - Click Here:**

A

4. _____ angle is less than 90°
A. obtuse angle
B. right angle
C. acute angle
D. reflex angle
E. None of These

☐ **Answer - Click Here:**

C

5. Which of the following two angles are classified as complementary?
A. 65° and 25°
B. 70° and 30°
C. 120° and 60°
D. 50° and 30°
E. None of These

☐ **Answer - Click Here:**

A

6. Opposite vertical angles are also _____
A. scalene
B. equal

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C. not equal
D. opposite
E. None of These

☐ **Answer - Click Here:**

B

7. _____ are created when two lines make an angle.
A. vertex
B. scalene
C. segment
D. rays
E. None of These

☐ **Answer - Click Here:**

D

8. Surface area of a hollow cylinder with, radius and height is measured by
A. 2πrh
B. πrh
C. 2πr + h
D. 2πr – h
E. None of These

☐ **Answer - Click Here:**

A

9. _____ polygon has 10 sides.
A. heptagon
B. decagon
C. hexagon
D. quadrilateral
E. None of These

☐ **Answer - Click Here:**

B

10. _____ polygon has 8 sides.
A. nonagon
B. hexagon
C. octagon
D. decagon
E. None of These

☐ **Answer - Click Here:**

C

11. Two rays meet each other at a certain point then the _____
A. line is formed
B. angle is formed
C. line segment is formed
D. all of the above
E. None of These

☐ **Answer - Click Here:**

B

12. The sum must be equal to _____ when two angles are classified as complementary angles.
A. 360°
B. 180°
C. 120°
D. 90°
E. None of These

☐ **Answer - Click Here:**

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D

13. A _____ is a path described by any moving point.
A. rays
B. ordinate ray
C. line
D. line segment
E. None of These

☐ **Answer - Click Here:**

C

14. Sum of adjacent angles is equal to _____ on a line.
A. 180°
B. 90°
C. 120°
D. 140°
E. None of These

☐ **Answer - Click Here:**

A

15. Angles that have a common side and a common vertex on a line are classified as
A. complementary angles
B. vertically opposite angles
C. supplementary angles
D. adjacent angles
E. None of These

☐ **Answer - Click Here:**

D

16. _____ has no equal angles and no equal sides.
A. right angle
B. isosceles triangle
C. equilateral triangle
D. scalene triangle
E. None of These

☐ **Answer - Click Here:**

D

17. The perimeter of a rectangle is measured by (with base 'b' and height 'h')
A. 2(h + b)
B. 2 × b/h
C. 2(h − b)
D. 2(b − h)
E. None of These

☐ **Answer - Click Here:**

A

18. Area of a rectangle is measured by (with base 'b' and height 'h')
A. b + h
B. b × h
C. h/b
D. b/h
E. None of These

☐ **Answer - Click Here:**

B

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19. _____ goes through midpoint from one side of a circle to the other side of a circle.
A. area
B. angle
C. diameter
D. radius
E. None of These

☐ **Answer - Click Here:**

C

20. Polygon's exterior angles sum up to _____
A. 360°
B. 270°
C. 180°
D. 90°
E. None of These

☐ **Answer - Click Here:**

A

21. When two straight lines intersect each other, which type of angle is formed?
A. vertically opposite angles
B. supplementary angles
C. adjacent angles
D. complementary angles
E. None of These

☐ **Answer - Click Here:**

A

22. If two angles are supplementary angles, what will be their sum?
A. 120°
B. 180°
C. 90°
D. 160°
E. None of These

☐ **Answer - Click Here:**

B

23. Two angles are complementary, one of angle is of 52°. What will be the angle of the second?
A. 68°
B. 100°
C. 38°
D. 128°
E. None of These

☐ **Answer - Click Here:**

C

24. Which of the following is an acute angle?
A. 1020 of a complete rotation
B. 4547 of a right angle
C. 49 of a right angle
D. 2386 of a complete rotation
E. None of These

☐ **Answer - Click Here:**

C

25. _____ polygon have four sides.
A. nonagon
B. quadrilateral

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C. hexagon
D. heptagon
E. None of These

☐ **Answer - Click Here:**

B

26. _____ equals to the sum of all angles around the main point.
A. 90°
B. 270°
C. 180°
D. 360°
E. None of These

☐ **Answer - Click Here:**

D

27. _____ connects any two points on a circle.
A. chord
B. radius
C. perimeter
D. diameter
E. None of These

☐ **Answer - Click Here:**

A

28. Angles that are opposite to one and other are known as _____.
A. supplementary angles
B. reflective angles
C. complementary angles
D. vertical angles
E. None of These

☐ **Answer - Click Here:**

D

29. A triangle that has 2 equal angles and 2 equal sides is called
A. right angle
B. equilateral triangle
C. isosceles triangle
D. scalene triangle
E. None of These

☐ **Answer - Click Here:**

C

30. _____ is a line from the center of a circle to the circumference of a circle.
A. radius
B. diameter
C. midpoint
D. area
E. None of These

☐ **Answer - Click Here:**

A

31. _____ polygon have five sides.
A. hexagon
B. pentagon
C. decagon
D. nonagon
E. None of These

☐ **Answer - Click Here:**

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only

B

32. Diameter of a radius is equal to _____.
A. 2/r
B. r/2
C. 2 + r
D. 2r
E. None of These

☐ **Answer - Click Here:**

D

33. A line segment is extended from only one end-point, the other point remains the same, it is called _____
A. intersecting line
B. plane
C. line
D. ray
E. None of These

☐ **Answer - Click Here:**

D

34. _____ angle is formed when two rays meet.
A. acute angle
B. vertex
C. obtuse angle
D. right angle
E. None of These

☐ **Answer - Click Here:**

B

35. _____ angles sum up to 180°.
A. supplementary angles
B. complementary angles
C. vertical angles
D. reflective angles
E. None of These

☐ **Answer - Click Here:**

A

36. Circumference of a circle is measured by
A. πr
B. πr/2
C. 2πr
D. 2π/r
E. None of These

☐ **Answer - Click Here:**

C

37. Area of circle is measured by
A. r^2/π
B. $\pi^2 r$
C. π/r^2
D. πr^2
E. None of These

☐ **Answer - Click Here:**

D

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38. _____ angles have exactly 90° angles.
A. obtuse angles
B. right angles
C. reflective angles
D. acute angles
E. None of These

☐ **Answer - Click Here:**

B

39. _____ polygon have nine sides.
A. quadrilateral
B. hexagon
C. decagon
D. nonagon
E. None of These

☐ **Answer - Click Here:**

D

40. Which of the following two angles are together classified as supplementary angles?
A. 135° and 45°
B. 60° and 30°
C. 70° and 50°
D. 55° and 65°
E. None of These

☐ **Answer - Click Here:**

A

41. An angle which is larger than 180° and is less than 360° is classified as
A. obtuse angle
B. acute angle
C. reflex angle
D. right angle
E. None of These

☐ **Answer - Click Here:**

C

42. An angle which is larger than 90° and less than 180° is called
A. right angle
B. obtuse angle
C. acute angle
D. reflex angle
E. None of These

☐ **Answer - Click Here:**

B

43. Which of the following is a reflex angle?
A. 11⁄21 of a complete rotation
B. 10⁄13 of a complete rotation
C. 3⁄4 of a complete rotation
D. all of the above
E. None of These

☐ **Answer - Click Here:**

E

44. The surface area of a solid cylinder is calculated by (with radius ‘r’ and height ‘h’)
A. $\pi rh + \pi r^2$

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B. $\pi rh - \pi r^2$
C. $2\pi rh + 2\pi r^2$
D. $2\pi rh - 2\pi r^2$
E. None of These

☐ **Answer - Click Here:**

C

45. A triangle that has 3 equal angles and 3 equal sides is called
A. equilateral triangle
B. scalene triangle
C. right angle triangle
D. isosceles triangle
E. None of These

☐ **Answer - Click Here:**

A

46. A polygon whose all sides and angles are equal is known as_____.
A. vertical
B. quadrilateral
C. reflective
D. regular
E. None of These

☐ **Answer - Click Here:**

D

47. _____ is known as the longest chord in a circle.
A. radius
B. diameter
C. midpoint
D. area
E. None of These

☐ **Answer - Click Here:**

B

48. _____ polygon have 3 sides.
A. triangle
B. quadrilateral
C. rectangle
D. hexagon
E. None of These

☐ **Answer - Click Here:**

A

49. Two parallel lines intersect.
A. True
B. False
C. None of These

☐ **Answer - Click Here:**

B

50. A triangle with _____ is a closed planer shape.

A. 4 sides
B. 2 sides
C. 5 sides
D. 3 sides
E. None of These

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☐ **Answer - Click Here:**

D

51. Unit in which angles are measured is?
A. km
B. cm
C. degrees
D. inches
E. None of These

☐ **Answer - Click Here:**

C

52. Angles that are less than 360° and greater than 180° are called
A. acute angles
B. right angles
C. obtuse angles
D. reflective angles
E. None of These

☐ **Answer - Click Here:**

D

53. _____ polygon have 6 sides.
A. hexagon
B. quadrilateral
C. heptagon
D. nonagon
E. None of These

☐ **Answer - Click Here:**

A

54. A Circle touching two produced sides internally and one side of triangle externally is called
A. e – center
B. e – circle
C. circumference
D. circumangle
E. None of These

☐ **Answer - Click Here:**

B

55. _____ polygon have 7 sides.
A. quadrilateral
B. hexagon
C. heptagon
D. decagon
E. None of These

☐ **Answer - Click Here:**

C

56. Area of a triangle with height h and base b is denoted by
A. 2 + bh
B. 1⁄2 × bh
C. 2⁄bh
D. 2 × bh
E. None of These

☐ **Answer - Click Here:**

B

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57. There are _____ types of triangles.
A. 3
B. 2
C. 4
D. 5
E. None of These

☐ **Answer - Click Here:**

A

58. Angles that are less than 90° and greater than 0°are called
A. right angles
B. obtuse angles
C. reflective angles
D. acute angles
E. None of These

☐ **Answer - Click Here:**

D

59. The volume of a cylinder is measured by (with radius ‘r’ and height ‘h’)
A. πh²/r
B. πr²h
C. πr × h
D. πr²/h
E. None of These

☐ **Answer - Click Here:**

B

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MCQs of Group Theory

MCQs of Group Theory

Let's begin with some most important MCs of Group Theory.

1. This is an abelian group { − 3 n : n ε Z } under?
A. division
B. subtraction
C. addition
D. multiplication

☐ **Answer - Click Here:**

C

2. What is the inverse of − ı If G = { 1, -1, ı, − ı } is group under multiplication?
A. −1
B. ı
C. 1
D. None of Above

☐ **Answer - Click Here:**

B

3. The monoid is a?
A. a non-abelian group
B. groupoid
C. A group
D. a commutative group

☐ **Answer - Click Here:**

A

4. (ba)-1 =_____ If a, b are elements of a group G?
A. b-1 a
B. a-1 b
C. b-1 a-1
D. a-1 b-1

☐ **Answer - Click Here:**

D

5. What is an inverse of − i in the multiplicative group if {1, − 1, i , − i} is?
A. -1
B. 1
C. i
D. None of these

☐ **Answer - Click Here:**

C

6. What is the value of (a- 1 b)- 1 is in the group (G, .)?
A. b- 1a
B. ab-1
C. ba-1
D. a-1b

☐ **Answer - Click Here:**

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A

7. What is the inverse of an if (Z,*) is a group with a*b = a+b+1 ∀ a, b ∈Z?
A. -2
B. 0
C. -a-2
D. a-2

☐ **Answer - Click Here:**

C

8. Which sentence is true?
A. Set of all matrices forms a group under multiplication
B. Set of all rational negative numbers forms a group under multiplication
C. Set of all non-singular matrices forms a group under multiplication
D. Both (b) and (c)

☐ **Answer - Click Here:**

C

9. Which statement is false?
A. The set of rational integers is an abelian group under addition
B. The set of rational numbers form an abelian group under multiplication
C. The set of rational numbers is an abelian group under addition
D. None of these

☐ **Answer - Click Here:**

B

10. What is the identity element In the group G = {2, 4, 6, 8) under multiplication modulo 10?
A. 5
B. 9
C. 6
D. 12

☐ **Answer - Click Here:**

C

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MCQs of Integral Equations

MCQs of Integral Equations

Let's begin with some most asked important MCs of Integral Equations.

1. There is a continuous curve which does not have a point of self-intersection it is said as?
A. Integral curve
B. Multiple curves
C. Simple curve
D. None of these

☐ **Answer - Click Here:**

C

2. The simple curve is also called?
A. Jordan curve
B. Integral curve
C. Multiple curves
D. All of these

☐ **Answer - Click Here:**

A

3. Wronskian stands for?
A. differentiation
B. determinant
C. integration
D. difference

☐ **Answer - Click Here:**

B

4. Operational calculus is called as?
A. logical analysis
B. integration
C. operational analysis
D. operational amplification

☐ **Answer - Click Here:**

C

5. There is a wrong skin in a set of solution and it represents?
A. combinations
B. integrations
C. superposition
D. linear independence

☐ **Answer - Click Here:**

D

6. There is a mass in the mechanical system and it is analogs to the electrical system?
A. capacitance
B. reciprocal of capacitance
C. inductance
D. resistance

☐ **Answer - Click Here:**

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C

7. There is an integral curve along a simple closed curve is said to be?
A. Contour Integral
B. Multiple Integral
C. Jordan Integral
D. None of these

☐ **Answer - Click Here:**

A

8. There is a region which is not simply connected simply is called?
Jordan connected
Connected curve
Multi-connected
Multiple curves

☐ **Answer - Click Here:**

C

9. If there is a principal part contains an infinite number of non zero terms then it is known as?
A. Removable Singularity
B. Essential Singularity
C. Isolated Singularity
D. Pole

☐ **Answer - Click Here:**

B

10. It is a technique in particular differential equations are transformed into algebraic problems is called?
A. integral
B. static calculus
C. operational calculus
D. dynamic calculus

☐ **Answer - Click Here:**

C

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MCQs of Number Theory

MCQs of Number Theory

Let's begin with some most important MCs of Number Theory.

1. What is the number of elements in this set {{a, b}, c}?
A. 1
B. 3
C. 4
D. 0

☐ **Answer - Click Here:**

C

2. What is the order of the power set n?
A. n2
B. 2n
C. n
D. None of these

☐ **Answer - Click Here:**

B

3. If this is a bijective function [f: A —>] then f -1 off =?
A. IA(Identity map of the set A)
B. f -1
C. f
D. f o f -1

☐ **Answer - Click Here:**

A

4. What is the identity element in the group (R*, *) If * is defined on R* as a * b = (ab/2)?
A. 1/2
B. 1/3
C. 1
D. 2

☐ **Answer - Click Here:**

D

5. If {1, – 1, I,- i } is a group then what is the inverse of – i in the multiplicative group?
A. -1
B. -i
C. i
D. 1

☐ **Answer - Click Here:**

C

6. What is the value of (a-1 b)-1 in the group (G, .)?
A. b-1a
B. ab-1
C. ba-1
D. a-1b

☐ **Answer - Click Here:**

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A

7. What is the inverse of a if **(Z,*) is a group with a*b = a+b+1 ∀ a,b ∈ Z?**
A. a-2
B. -a-2
C. 0
D. -2

☐ **Answer - Click Here:**

B

8. Which one of the following statement is TRUE?
A. Set of all matrices forms a group under multiplication
B. Set of all rational negative numbers forms a group under multiplication
C. Set of all non-singular matrices forms a group under multiplication
D. Both (b) and (c)

☐ **Answer - Click Here:**

C

9. Which one of the statement is FALSE?
A. The set of rational integers is an abelian group under addition
B. The set of rational numbers form an abelian group under multiplication
C. The set of rational numbers is an abelian group under addition
D. None of these

☐ **Answer - Click Here:**

D

10. G = {2, 4, 6, 8) is a group under multiplication modulo 10 then what is the identity element?
A. 8
B. 6
C. 10
D. 0

☐ **Answer - Click Here:**

B

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MCQs of Numerical Analysis

MCQs of Numerical Analysis

Let's begin with some most asked important MCs of Numerical Analysis.

1. What is the other name of Jacobi's method?
A. Simultaneous method
B. Diagonal method
C. Displacement method
D. Simultaneous displacement method

☐ **Answer - Click Here:**

D

2. How much significant digits in this number 204.020050?
A. 5
B. 7
C. 9
D. 11

☐ **Answer - Click Here:**

C

3. Which one of convergence is sensitive to starting value?
A. Newton-Raphson method
B. False position
C. Gauss seidel method
D. All of these

☐ **Answer - Click Here:**

A

4. What is required to perform a Chi-square test?
A. Data be measured on a nominal scale
B. Each cell has an equal number of frequencies
C. Data conform to a normal distribution
D. All of these

☐ **Answer - Click Here:**

D

5. What is the Order of convergence of Regula-Falsi?

A. 2.312
B. 2.231
C. 1.618
D. 1.321

☐ **Answer - Click Here:**

C

6. What is the expected value of the random variable?
A. Is another term for the mean value
B. Will also be the most likely value of the random variable
C. Cannot be greater than 1
D. Is also called the variance

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A

7. What is a root correct to three decimal places of the equation x3 – 3x – 5 = 0 by Using Newton-Raphson method?

A. 2.222
B. 2.279
C. 2.275
D. None of these

☐ **Answer - Click Here:**

B

8. When Δf(x) = f(x+h) – f(x), then constant k=?

A. f(x + k) – f(x)
B. f(k)- f(0)
C. 0
D. 1

☐ **Answer - Click Here:**

C

9. By using Newton-raphson method, Double (Repeated) root of 4×3- 8×2- 3x + 9 = 0 is?

A. 1.6
B. 1.55
C. 1.4
D. 1.5

☐ **Answer - Click Here:**

D

10. Newton-Raphson method is useable to?

A. Algebraic equations only
B. Transcendental equations only
C. Both algebraic and Transcendental Equations
D. Both algebraic and transcendental and also used when the roots are complex

☐ **Answer - Click Here:**

C

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MCQs of Probability Theory

MCQs of Probability Theory

Let's begin with some most important MCs of Probability Theory.

1. When we throw a coin then what is the probability of getting head?

A. 1/2
B. 3
C. 4
D. 1

☐ **Answer - Click Here:**

A

2. When we throw a coin then what is the probability of getting a tail?
A. 2
B. 1/2
C. 5
D. 0

☐ **Answer - Click Here:**

B

3. When we tossed three unbiased coins then what is the probability of getting at least 2 tails?
A. 1/6
B. 1/3
C. 1/2
D. 0

☐ **Answer - Click Here:**

C

4. When we throw a dice then what is the probability of getting the number greater than 5?
A. 1/5
B. 1/6
C. 1/2
D. 1/3

☐ **Answer - Click Here:**

B

5. When we throw two dice then what is the probability of getting a sum 9?
A. 2/9
B. 1/12
C. 1/9
D. All of these

☐ **Answer - Click Here:**

C

6. Events which can never occur together In probability theories then it is classified as?
A. mutually exclusive events
B. collectively exclusive events
C. mutually exhaustive events
D. None of these

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only

☐ **Answer - Click Here:**

A

7. If J and K will be two variables then the Joint probability of independent events J and K is equal to?
A. P(J) + P(K)
B. P(J) * P(K)
C. P(J) * P(K) – P(J * K)
D. P(J) * P(K) + P(J-K)

☐ **Answer - Click Here:**

B

8. All possible outcomes for a random experiment are called?
A. sample space
B. event space
C. numerical space
D. both b and c

☐ **Answer - Click Here:**

D

9. What is the marginal probability of dependent events and independent events?
A. one
B. different
C. same
D. All of these

☐ **Answer - Click Here:**

C

10. When we consider an event B then non-occurrence of event B is?
A. A is equal to zero
B. intersection of A
C. complement of A
D. union of A

☐ **Answer - Click Here:**

C

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