FBQ1: … is the amount by which a resource is under utilized
Answer: Slack

FBQ2: … is the point at which the curve is neither a maximum nor a minimum value
Answer: Point of reflexion

FBQ3: At point of inflexion, the turning points are……
Answer: Equal

FBQ4: If the value of turning point in the second derivative is negative, then it is a …
Answer: Maximum point

FBQ5: If the value of turning point in the second derivative is positive, then it is a ……..
Answer: Minimum point

FBQ6: These are point on
the curve at which

 and the value of the function at this point is
called……..
Answer: stationary point

FBQ7: Stationary points are also called……..
Answer: turning point

FBQ8: The coordinate of the point of interception of the lines, 2x + 3y = 5 and x + 2y = 3, is……..
Answer: (1, 1)

FBQ9: If y = c, where c is a constant, then δyδx yields….
Answer: 0

FBQ10: Given the function H(x)
=kx+3 for x < 2 3x2 – x + 3 for x ≥ 2 . The values of „k" for which H(x) is continuous at x = 2 is …
Answer: K=5

FBQ11: The limn→∞7-2x is ….…
Answer: 7

FBQ12: The limit of function fx=12x as x→0, is ……
Answer: 1

FBQ13: The limit of function fx=12x as x→2, is ……

Answer: ¼

FBQ14: … describe what happen to a function f(x), as its variable x approaches a particular number, say c
Answer: Limit

FBQ15: The common ratio of the G.P 2, 6, 18, 54, 162, is …
Answer: 3

FBQ16: A … is a sequence in which each successive terms of the sequence are in equal ratio.
Answer: geometric progression

FBQ17: The 7th term of an A.P is 15 and the fourth term is 9. The first term and the common difference are … and … respectively
Answer: 3, 2

FBQ18: The 7th term of an A.P whose first term is 102 and common difference is -3 is
Answer: 84

FBQ19: The square of common difference of the sequence 3, 5, 7, 9, 11,… is
Answer: 4

FBQ20: … is a sequence in which each term differs by a common difference
Answer: Arithmetic progression

FBQ21: An infinite sequence is one whose terms are…
Answer: Uncountable

FBQ22: …. is a succession of terms spanned by a rule or formula.
Answer: A sequence

FBQ23: … is the amount of goods requested for by customers at any point in time.
Answer: Demand

FBQ24: The demand curve is the relationship between quantity and ……. of goods
Answer: Price

FBQ25: A physical quantity having both magnitude and direction is called _____
Answer: vector

FBQ26: The necessary and sufficient conditions for two lines to intercept are that they must be consistent and ……..
Answer: Independent

FBQ27: A good application of intercept of two lines is the……
Answer: market equilibrium

FBQ28: ……..…will the equation of a line (-1, -4) whose gradient is 1?
Answer: y=x-3

FBQ29: The equation of a straight line is of the form ……..
Answer: y=mx+c

FBQ30: The distance between the pairs of points A(0, 1) and B(6, 9) is …….
Answer: 10

FBQ31: By a point P(x, y) we mean that P is in the …… plane
Answer: (x, y)

FBQ32: zn = [r(cosθ + isinθ)]n is called the …… theorem
Answer: De Moivre’s

FBQ33: If z = x + iy, ⇒ z = r cosθ + r i sinθ is called the… of z.
Answer: polar form

FBQ34: Let A be a square matrix where the element ai j = 0. For i > j, then A is called…….
Answer: An upper triangular matrix

FBQ35: The distance between (0, 1) and (6, 9) is _____
Answer: 10

FBQ35: The gradient of the line perpendicular to x + 3y = 2 is …..
Answer: 3

FBQ36: The determinant of   is
Answer: -1

FBQ37: Let ; . Given that |AB| =121, find the value of k
Answer: -3

FBQ38: For what value of m would the matrix be singular?
Answer: 2

FBQ39: Calculate the distance between the points: A(0,1) and B(6,9)
Answer: 10

FBQ40: The negation of tautology is a _____
Answer: contradiction

FBQ41: The magnitude of the vector is _____
Answer: 13

FBQ42: The magnitude of the vector is ____
Answer: 5

FBQ43: Two vectors are said to be ___ if they are in equal direction
Answer: parallel

FBQ44: A _____ is a succession of terms spanned by a rule or formula
Answer: sequence

FBQ45: A sequence in which each term differs by a common difference is known as _____
Answer: Arithmetic Sequence

FBQ46: The 6th term of an A.P whose first term is 102 and common difference is -3 is ____
Answer: 87

FBQ47: the point at which the curve is neither a maximum nor a minimum value is called point of ___
Answer: inflexion

FBQ48: The 11th term of an A.P whose first term is 102 and common difference is -3
Answer: 72

FBQ49: _____ sequence is a sequence in which each successive terms of the sequence are in equal ratio
Answer: geometric

FBQ50: A ____ sequence is one whose first and last element are known
Answer: finite

MCQ1: … is the study and analysis of a mathematical proposition as to ascertain

the Truth Value of the proposition.
Answer: Logic

MCQ2: Lagos is a cosmopolitan state. The Truth Value of this is …
Answer: true

MCQ3: There are two types of statements:
Answer: simple and composite

MCQ4: The connective "∧" in logic is a…
Answer: conjunction

MCQ5: The connective "⇒ " in logic is a…
Answer: conditional

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Answer: negative

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MCQ10: If (p ∧ q) = p and (p ∨ q) = p implies an…
Answer: Idempototent Laws

MCQ11: If (p ∨ q) ∨ r = p ∨ (q∨ r) and (p ∧ q) ∧ r = p ∧ (q∧ r) implies an…
Answer: Associate Laws

MCQ12: If (p ∧ q) = (q∧ p) and (p ∨ q) = (q∨ p) implies an…
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Answer: (p ∧ q)

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Answer: Matrix

MCQ19: A matrix that has elements only on its diagonal is called
Answer: diagonal matrix

MCQ20: The … of a matrix is the inter- changing of its row with the column.
Answer: transpose matrix

MCQ21: A matrix in which its transpose is equal to itself is called…
Answer: symmetric matrix

MCQ22: Given that A=123456 and B=123456, Find AB?
Answer: 51215192631294051

MCQ23: Find the determinant of the A=2-456?
Answer: 32

MCQ24: Given that A =123321132, Find the determinant of A
Answer: 3

MCQ25: A matrix is said to be singular if the determinant is equal to
Answer: 0

MCQ26: Given that 13k4 is a singular matrix. Find the value of k?
Answer: 43

MCQ27: Given that A =201k23214 , what is the value of k, if A is said be a singular matrix?
Answer: -6

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Answer: -5, 4

MCQ29: Given that x + 2y + 3z =1, 3x + 2y + z = 4, x + 3y + 2z = 0. What is x,y and z?
Answer: 74 , - 34, 14

MCQ30: Let A =123450214 , then the cofactor of matrix A is the matrix
Answer: 20-16-6-5-23-1512-3

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Answer: PA = 5, PB = 3 are the equilibrium prices for each market

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