

616 - ECONOMICS
(FINAL)

1. According to Marshall, economics is one side
 - (A) study of wealth and on the other and more important side, a part of the study of man
 - (B) study of wealth and on the other and more important side, study of materials
 - (C) study of wealth and on the other side and more important side, study of resources
 - (D) study of wealth and on the other side and more important side, study of wants

2. Among the following, choose the best possible definition of production possibility set
 - (A) Collection of all combinations of goods and services that can be produced with given resources and given technology
 - (B) Collection of all possible combinations of goods and services that can be produced with given resources and given technology
 - (C) Collection of all possible combinations of goods and services that can be produced
 - (D) Collection of all optimum combinations of goods that can be produced with given resources and technology

3. What is income effect?
 - (A) Effect of the change in income on the quantity supplied
 - (B) Effect of the change in income on the quantity demanded
 - (C) Effect of the change in income on the quantity supplied and demanded
 - (D) Effect of the change in income on the relative price of the commodity

4. At a price of Rs 10 per kg, 3 units of the commodity were demanded. Later the price increased to Rs 12 per kg and the quantity demanded was reduced to 1 unit. This commodity belongs to type of elasticity.
 - (A) elastic
 - (B) inelastic
 - (C) unitary elastic
 - (D) None of the above

5. Pick the odd man out.
- (A) Marginal cost curve
 - (B) Average variable cost curve
 - (C) Average cost curve
 - (D) Total fixed cost curve
6. In the case of Cobb Douglas production function, elasticity of substitution equals
- (A) unity
 - (B) zero
 - (C) infinity
 - (D) constant
7. Total revenue is maximum when
- (A) marginal revenue is increasing
 - (B) marginal revenue is zero
 - (C) marginal revenue is negative
 - (D) marginal revenue is perpendicular
8. The Marginal Productivity theory of distribution was originally proposed by
- (A) J B Clark
 - (B) J M Clark
 - (C) J M Keynes
 - (D) J B Keynes
9. Among the following which is the more acceptable definition of National Income?
- (A) The aggregate money value of all goods and services produced in a country during an accounting year
 - (B) The aggregate money value of all final goods and services produced in a country during an accounting year
 - (C) The money value of all final goods and services produced in a country during an accounting year
 - (D) The aggregate money value of all final goods and services produced in a country during a year

10. Among the following, which is the best method of calculating Net Value added at Factor cost?
- (A) Compensation of employees + Rent + Interest + Profit + Mixed income of self employed
 - (B) Net direct taxes + Compensation of employees + Rent + Interest + Profit + mixed income of self employed
 - (C) Compensation of employees + Rent + Interest + Profit + Total mixed income
 - (D) Direct taxes + Compensation of employees + Rent + Interest + Profit + Mixed income of self employed
11. Which is **NOT** included in the National Income among the following items?
- (A) Wages and salaries
 - (B) Interest from Public Debt
 - (C) Sales Tax Revenue
 - (D) Profits of Public sector undertaking
12. According to H.O Model, international trade is beneficial to the countries as long as there are
- (A) differences in the opportunity costs
 - (B) differences in the factor endowments
 - (C) differences in the variable costs
 - (D) differences in the fixed costs
13. All India Rural Credit Review Committee was formed in
- (A) 1950
 - (B) 1952
 - (C) 1954
 - (D) 1969
14. Pareto Optimality Condition will hold if
- (A) the producers are at any point on the contract curve
 - (B) the consumers are at any point on the contract curve
 - (C) $MRS = MRPT$
 - (D) All of the above

15. The slope of which curve denotes the ratio of prices between two products
- (A) iso-revenue
 - (B) iso-product
 - (C) iso-bar
 - (D) iso-profit
16. Transaction of securities on its own initiative by the Central Bank to control volume of credit in the market – refers to
- (A) open market operations
 - (B) open market papers
 - (C) open market systems
 - (D) open market credit
17. The call money market is the market for
- (A) very short term trends
 - (B) long term trends
 - (C) medium term trends
 - (D) short term trends
18. Under law of demand
- (A) price of commodity is an independent variable
 - (B) quantity demanded is a dependent variable
 - (C) reciprocal relationship is found between price and quantity demanded
 - (D) All of the above
19. In a four sector economy, National Income is measured as
(Y = National income, C = Consumption, I = Investment, G = Government expenditure, M = Imports, X = Exports)
- (A) $Y = C + I + G + X - M$
 - (B) $Y = C + I + G + T$
 - (C) $Y = C + I + G - X + M$
 - (D) $Y = C + I + T + X - M$
20. Optimum tariff refers to tariff that
- (A) minimizes welfare of the people
 - (B) maximizes the level of production
 - (C) maximizes the level of consumption
 - (D) maximizes the welfare of the people

21. If the Marginal Propensity to Consume of a country is 0.8, find the multiplier for that country
- (A) 3
 - (B) 4
 - (C) 5
 - (D) 1
22. What is full bodied money?
- (A) Money whose intrinsic value is less than face value
 - (B) Money whose intrinsic value is equal to face value
 - (C) Money whose intrinsic value is greater than face value
 - (D) Money whose intrinsic value is zero
23. Assuming, M = money supply, V = velocity of money circulation, P = general price level and T = volume of trade, the Fisher's equation can be stated as
- (A) $MT = PV$
 - (B) $MV = PT$
 - (C) $M = P$
 - (D) $MV = \frac{P}{T}$
24. One rupee note is issued in India by
- (A) Planning Commission
 - (B) Reserve Bank of India
 - (C) Central Statistical Organisation
 - (D) Ministry of Finance
25. Principle of dual control is applicable in the case of
- (A) NBFC
 - (B) Scheduled Commercial Banks
 - (C) RBI
 - (D) Urban cooperative banks
26. When RBI refers to "money supply", it means
- (A) M
 - (B) M1
 - (C) M2
 - (D) M3

27. Full form of SEBI
- (A) Shares Exchange Board of India
 - (B) Shares and bonds Exchange Board of India
 - (C) Securities and Exchange Board of India
 - (D) Securities and shares Exchange Board of India
28. A budget can be defined as
- (A) Annual statement of the receipts and expenditure of the government over the next financial year
 - (B) Annual statement of the anticipated receipts and expenditure of the government over the next financial year
 - (C) Annual statement of the anticipated receipts and expenditure of the government over the next year
 - (D) Annual statement of the receipts and expenditure of the government over the next year
29. New method of computing income tax is under which section of the Income Tax Act?
- (A) 115
 - (B) 115B
 - (C) 115C
 - (D) 115BAC
30. Among the following, which is right?
- (A) Fiscal deficit = Total expenditure – Total revenue
 - (B) Fiscal deficit = Total expenditure – Total revenue excluding borrowings
 - (C) Fiscal deficit = Total expenditure – Total revenue minus receivables
 - (D) Fiscal deficit = Total expenditure – Total revenue – 100
31. The Government of India constituted a Task-Force on Revival of Rural co-operative credit institutions under the Chairmanship of
- (A) M.L. Dantwala
 - (B) A. Vaidyanthan
 - (C) Narasimham
 - (D) V.S.Vyas

32. Which of the following is **NOT** a condition of Kenneth Arrow with regard to collective choice under majority voting?
- (A) Social choices must not be dictatorial
 - (B) Voters must have free choices
 - (C) Social choice must be non-perverse
 - (D) Social choices must be intransitive
33. Among the food grains, which crop is achieved highest productivity in the post green revolution period in India?
- (A) Rice
 - (B) Wheat
 - (C) Jowar
 - (D) Maize
34. The rate at which two currencies exchange for each other, (the price of one currency in terms of another) is known as
- (A) Market Rate
 - (B) Discount Rate
 - (C) Exchange Rate
 - (D) Call Rate
35. If the demand of one good increases due to decrease in price of another good, then the goods are
- (A) Complementary Goods
 - (B) Substitute Goods
 - (C) Inferior Goods
 - (D) Non Related Goods
36. In the context of globalization international trade is based on
- (A) fixed exchange rate mechanism
 - (B) flexible exchange rate mechanism
 - (C) pegged exchange rate mechanism
 - (D) managed float rate mechanism
37. According to R.A.Musgrave, vertical tax equity means
- (A) equity among individuals having equal level of income
 - (B) equity among poorer individuals
 - (C) equity among individuals having different levels of income
 - (D) equity among upper class

38. The economies and diseconomies of large scale production influence the movement of
- (A) the long run average cost curve
 - (B) the normal long run average cost curve
 - (C) average cost curve
 - (D) short run average cost curve
39. Who coined the term 'Demography'?
- (A) Notestein
 - (B) D.J. Bogue
 - (C) Achille Gullard
 - (D) Malthus
40. Microfinance is related to the provision of financial services to
- (A) public sector undertakings
 - (B) large scale industries
 - (C) high-income households
 - (D) low-income households
41. According to 15th Finance Commission, the weightage for population in determining state share is
- (A) 45 percent
 - (B) 20 percent
 - (C) 15 percent
 - (D) 14 percent
42. Current account of the Balance of Payments include
- (A) all transactions related to trade in goods and services and unilateral transfers
 - (B) all transactions related to trade in goods and unilateral transfers
 - (C) all transaction related to trade in goods and services and all invisible transactions
 - (D) all transactions related to trade in goods and services and all insurance payments
43. Among the following, which is an invisible item?
- (A) Earnings from sugar export
 - (B) Payments for wheat import
 - (C) Payments for crude oil import
 - (D) Earnings from software export

44. Mr. Kumar, a student for MBA, happened to visit USA. He decided to convert rupees into dollars in foreign exchange counter at the airport. He got 250 dollars in exchange of Rs 10000. Calculate the value of rupees in terms of dollars.
- (A) Rs 400
 - (B) Rs 40
 - (C) Rs 4
 - (D) Rs 4000
45. Foreign Direct Investment comes under
- (A) current account
 - (B) capital account
 - (C) official reserve account
 - (D) domestic account
46. Among the following which is more associated to international trade?
- (A) UNCTAD
 - (B) UNCT
 - (C) UNOC
 - (D) WITO
47. “Vicious circle of poverty” is associated to
- (A) Nurkse
 - (B) Galbrith
 - (C) Sen
 - (D) Solow
48. Who put forward the concept of PQLI?
- (A) Kaushik Basu
 - (B) A K Sen
 - (C) Morris David Morris
 - (D) Kissinger
49. When we convert Cobb Douglas production function into linear form, it becomes
- (A) a double log model
 - (B) a lin log model
 - (C) a log lin model
 - (D) a reciprocal model

50. In constraint optimization, we use

- (A) technological coefficients
- (B) non negativity conditions
- (C) zero sum game
- (D) LaGrange multiplier

51. Match the following and select the correct answer from the given below.

- | | |
|---------------------|-------------------------------|
| (a) Weber Theory | (1) Growth Theory of firm |
| (b) Florence Theory | (2) Inductive Theory |
| (c) Penrose Theory | (3) Deductive Theory |
| (d) Marris Theory | (4) Integrated Theory of firm |

- (A) (c) – (1), (b) – (2), (a) – (3), (d) – (4)
- (B) (b) – (1), (c) – (2), (a) – (3), (d) – (4)
- (C) (d) – (1), (c) – (2), (b) – (3), (a) – (4)
- (D) (a) – (1), (c) – (2), (d) – (3), (b) – (4)

52. Professor Taussig, while criticizing the marginal productivity theory, has given his own theory by saying that wages represent the

- (A) maximum discounted production of family labour
- (B) marginal discounted product of labour
- (C) majority discounted product of child labour
- (D) None of the above

53. Age Specific Fertility Rate (ASFR) is calculated using the formula of

- (A) $\frac{\text{No. of women in the specific age group} \times 1000}{\text{No. of births}}$
- (B) $\frac{\text{No. of births}}{\text{No. of women in the specific age group}} \times 1000$
- (C) $\frac{1000}{\text{No. of births}} \times \text{No. of women in the specific age group}$
- (D) None of the above

54. The rate at which the Central Bank rediscounts bills of exchange is called

- (A) discount rate
- (B) bank rate
- (C) call rate
- (D) interest rate

55. Offer curve shows that
- (A) there is a ratio between the supply and demand for exports
 - (B) how much imports a nation requires in exchange for its exports
 - (C) how much of the imported commodities a nation requires in exchange for varied quantities of its export commodity
 - (D) a ratio of constant returns to scale
56. The programme the Government of India launched to provide quality health services to the poorest households
- (A) Krishi Sramik Samasik Suraksha Yojana (KSSSY)
 - (B) Bharat Nirman
 - (C) National Rural Health Mission (NHRM)
 - (D) Jawaharlal Nehru National Urban Renewal Mission (JNNURM)
57. Short loans and discounts etc. which can be quickly turn in to cash are known as
- (A) Credit Assets
 - (B) Claim Assets
 - (C) Financial Assets
 - (D) Liquid Assets
58. Opportunity cost is
- (A) a cost that cannot be avoided, regardless of what is done in the future
 - (B) the cost incurred in the past before we make a decision about what to do in the future
 - (C) that which we forgo, or give up, when we make a choice or a decision
 - (D) the additional benefit of buying an additional unit of a product
59. Factor endowment means
- (A) the availability of all products
 - (B) the abundance of factors of production
 - (C) the abundance of entrepreneurial skills
 - (D) the abundance of foreign exchange

60. How to calculate rate of enrollment?
- (A) $\frac{\text{No. of Children enrolled}}{\text{School Age Population}}$
- (B) $\frac{\text{No. of Children enrolled}}{\text{School Age Population}} \times 100$
- (C) $\frac{\text{School Age Population}}{\text{No. of Children enrolled}}$
- (D) $\frac{\text{School Age Population}}{\text{No. of Children enrolled}} \times 100$
61. Since the outbreak of COVID 19, India's agriculture growth rate average is
- (A) above 4 percent
- (B) below 3 percent
- (C) 1-2 percent
- (D) below 1 percent
62. Karve committee is associated to
- (A) health
- (B) industries
- (C) agriculture
- (D) trade
63. Which institution is more associated to industries?
- (A) NAFED
- (B) NDRI
- (C) SIDBI
- (D) SIMS
64. Theme of 21st edition of the World Sustainable Development Summit (2022) is
- (A) Towards a Resilient Planet. Ensuring a Sustainable Future
- (B) Towards a Resilient Planet. Ensuring a Sustainable and Equitable Future
- (C) Towards a Resilient Planet. Ensuring a Sustainable and Ethical Future
- (D) Towards a Resilient Planet. Ensuring an Equitable Future

65. A serious concern of education in India is
- (A) quality
 - (B) employability
 - (C) Both (A) and (B)
 - (D) accessibility
66. Among the following, who is associated to “Bombay Plan”?
- (A) Samuel Mathai
 - (B) Dileep Mathai
 - (C) Vivek Mathai
 - (D) John Mathai
67. Which Constitution Amendment deals with local bodies?
- (A) 55
 - (B) 71
 - (C) 73
 - (D) 101
68. The per capita income of India (current price) according to Economic Survey 2021
- (A) between Rs 100000-110000
 - (B) between Rs 110000-120000
 - (C) between Rs 120000-130000
 - (D) between Rs 130000-140000
69. Sex ratio in India according to fifth round National Family Health Survey is
- (A) 1010 females for 1000 males
 - (B) 1020 females for 1000 males
 - (C) 940 females for 1000 males
 - (D) 950 females for 1000 males
70. In which sector, a major disinvestment took place in India recently?
- (A) Air travel
 - (B) Shipping
 - (C) Defence
 - (D) Currency issue

71. Match the following and select the correct answer from code given below.
- | | |
|-------------------------|----------------------------------|
| (a) Sugar Industry | (1) Capital -good based Industry |
| (b) Iron-steel Industry | (2) Chemical -based Industry |
| (c) Pesticides Industry | (3) Agro -based Industry |
| (d) Handloom Industry | (4) Small -scale Industry |
- (A) (a) – (1), (d) – (2), (b) – (3), (c) – (4)
(B) (c) – (1), (a) – (2), (b) – (3), (d) – (4)
(C) (b) – (1), (c) – (2), (a) – (3), (d) – (4)
(D) (d) – (1), (c) – (2), (a) – (3), (b) – (4)
72. GNP at factor cost plus net indirect tax less depreciation is known as
- (A) GNP at market price
(B) GNP at constant price
(C) NNP at market price
(D) NNP at constant price
73. Commodity terms of trade refers to
- (A) Ratio of price index of exports to price index of domestic production
(B) Ratio of price index of exports to price index of imports
(C) Ratio of price index of imports to price index of exports
(D) Ratio of price index of imports to price index of domestic production
74. Mobilising funds for Government and in public sector financial institutions using the major instrument is
- (A) CRR
(B) SLR
(C) Repo rate
(D) Interest rate
75. The causes of differences in wages are due to
- (A) differences in efficiency
(B) differences in the cost of learning a trade
(C) differences in agreeableness
(D) All the above

76. Complete the following series.

3, 6, 12,

- (A) 24
- (B) 18
- (C) 36
- (D) 21

77. If there are “M” unknowns, we require equations to solve the system.

- (A) N equations
- (B) M equations
- (C) N + M equations
- (D) N – M equations

78. Find the value, given, $\frac{3}{4} + \frac{2}{5} + \frac{6}{7} - \frac{1}{6}$

- (A) 2.16
- (B) 1.84
- (C) 2.84
- (D) 0.84

79. In a linear equation, the power of the variable is

- (A) 1
- (B) 0
- (C) Infinity
- (D) 1 + infinity

80. Optimization means

- (A) maximization
- (B) minimization
- (C) either maximization or minimization
- (D) getting the best value

81. Two matrices are said to be equal if

- (A) they are of the same order
- (B) they are of the same order and their corresponding elements are equal
- (C) they are of the same order and their diagonal elements are equal
- (D) except diagonal values, all other values are zero

82. A row vector post multiplied by a certain vector is
- (A) 0
 - (B) 1
 - (C) scalar
 - (D) rank of that matrix
83. Define rank of a matrix.
- (A) Order of the largest square sub matrix whose determinant is not zero
 - (B) Order of the largest square sub matrix whose determinant is zero
 - (C) Order of the smallest square sub matrix whose determinant is not zero
 - (D) Order of the smallest square sub matrix whose determinant is zero
84. In matrix algebra, a system of simultaneous equations can be solved using
- (A) Hawkins Simon method
 - (B) Lang anger Multiplier method
 - (C) Bounded solution method
 - (D) Rao Crammer rule
85. From marginal revenue, total revenue can be calculated using
- (A) derivatives
 - (B) integration
 - (C) geometry
 - (D) trigonometry
86. The limit of a function is always a
- (A) infinite value
 - (B) indeterminate value
 - (C) intercept
 - (D) finite value
87. $a^2 - b^2$ can be written as
- (A) $(a - b)^2$
 - (B) $(a + b)^2 - ab$
 - (C) $(a + b)(a - b)$
 - (D) $(a - b)^2 + ab$

88. $\lim_{x \rightarrow a} \frac{(x)^m - (a)^m}{x - a}$ is

- (A) ma^m
- (B) ma^{m-1}
- (C) ma
- (D) ma^{m+1}

89. If $y = f(x)$, then $\frac{dy}{dx}$ is known as

- (A) Fourth order derivative
- (B) Second order derivative
- (C) Third order derivative
- (D) First order derivative

90. Price elasticity of demand is

- (A) $\frac{x}{p} \times \frac{dp}{dx}$
- (B) $\frac{p}{x} \times \frac{dp}{dx}$
- (C) $\frac{-p}{x} \times \frac{dx}{dp}$
- (D) None of the above

91. The conditions for homogeneity of $u = f(x, y)$

- (A) $f(x, y) = k + (x, y)$
- (B) $f(kx, ky) = k^n f(x, y)$
- (C) $f\left(\frac{x}{y}\right) = +(x, y)$
- (D) $k^n - f(x, y) = n$

92. The total derivative is given by for a function $u = f(x, y)$.

(A) $du = \frac{\partial y}{\partial x} dy + \frac{\partial y}{\partial y} dx$

(B) $du = \frac{\partial y}{\partial x} dy - \frac{\partial y}{\partial y} dx$

(C) $du = \frac{\partial u}{\partial x} dx + \frac{\partial u}{\partial y} dy$

(D) TU

93. $\int (ax+b)^n dx$

(A) $\frac{(ax+b)^{n+1}}{(n+1)} + k$

(B) $\frac{(ax+b)^{n+1}}{(n+1)a} + k$

(C) $\frac{(ax+b)^{n+1}}{b(n+1)} + k$

(D) $\frac{(ax+b)^{n+1}}{a} + k$

94. nC_0, nC_1, nC_2, \dots are known as

(A) combinations

(B) permutations

(C) binomial coefficients

(D) continuous variables

95. $\int \log x dx$

(A) $\frac{1}{x} + k$

(B) $x \log x - x + k$

(C) $\log x + k$

(D) None of the above

96. The mean of Binomial distribution is 20, and S.D. is 4. Then the value of P is

(A) $\frac{4}{5}$

(B) $\frac{1}{5}$

(C) $\frac{2}{5}$

(D) 1

97. The value of 8C_3 is

(A) $\frac{8 \times 7 \times 6}{3}$

(B) $\frac{8 \times 7 \times 6}{3!}$

(C) $\frac{8 \times 7 \times 6 \times 5}{4}$

(D) $\frac{8 \times 7}{3 \times 4}$

98. In order to represent item wise shares, a preferred diagram is

(A) line graph

(B) pie diagram

(C) ogives

(D) box diagram

99. In a normal distribution,

(A) mean, median, mode and standard deviation are equal

(B) mean, median and mode are equal

(C) mean, median and standard deviation are equal

(D) median and mode are equal

100. The direction of variation from symmetry is given by

(A) dispersion

(B) moments

(C) skewness

(D) kurtosis

101. Among the following, which test is used in measuring association between two or more attributes?
- (A) Chi square test
 - (B) Fishers ideal test
 - (C) Chow test
 - (D) Random test
102. Among the following, which is the formulae for calculating index number using simple aggregate method (p is initial price and p_1 is current year price)?
- (A) $\left(\frac{\sum p}{\sum p_1}\right) \times 100$
 - (B) $\left(\frac{\sum p_1}{\sum p}\right) \times 100$
 - (C) $\sum p + \sum p_1$
 - (D) $\sum p_1 \times \sum p$
103. Among the following which is a major data collection agency in India?
- (A) ICMR
 - (B) KFRI
 - (C) KITCO
 - (D) NSSO
104. One card is drawn from a standard pack of 52. What is the probability that it is either a king or a queen?
- (A) $\frac{1}{13}$
 - (B) $\frac{3}{13}$
 - (C) $\frac{2}{13}$
 - (D) $\frac{2}{52}$

105. The mean of binomial distribution is (n is total number of trials, p is probability of success and q is probability of failure)
- (A) \sqrt{npq}
 - (B) n
 - (C) np
 - (D) q
106. Among the following, which is **NOT** a property of a good estimate?
- (A) Unbiased
 - (B) Best
 - (C) Linear
 - (D) Exponential
107. In testing hypothesis, level of significance indicates
- (A) the probability of accepting an alternative hypothesis
 - (B) the probability of rejecting a null hypothesis
 - (C) the probability of accepting a null hypothesis
 - (D) the range of confidence
108. Among the following, which is a best formula for calculating F ratio?
- (A) $\frac{\text{Smaller estimate of variance}}{\text{Larger estimate of variance}}$
 - (B) $\frac{\text{Standard deviation}}{\text{Variance}}$
 - (C) $\frac{\text{Larger estimate of variance}}{\text{Smaller estimate of variance}}$
 - (D) $\frac{\text{Variance}}{\text{Standard deviation}}$
109. Interpolation is the art of
- (A) reading beyond lines
 - (B) reading extreme lines
 - (C) reading top and bottom lines
 - (D) reading between lines

110. Record of marriages is a part of
- (A) vital statistics
 - (B) qualitative data
 - (C) family evolution information
 - (D) Both (A) and (B)

111. Coefficient of variation is defined as

- (A) $100 \cdot \frac{\bar{X}}{\sigma}$
- (B) $\bar{X} \cdot \frac{\sigma}{100}$
- (C) $\sigma \cdot \frac{\bar{X}}{100}$
- (D) $100 \cdot \frac{\sigma}{\bar{X}}$

112. Karl Pearson's co-efficient of Skewness is given by the formula

- (A) $\frac{\text{Mean} - \text{Mode}}{\text{S.D}}$
- (B) $\frac{Q_3 + Q_1 - 2Q_2}{Q_3 - Q_1}$
- (C) $\frac{\text{Mean} + \text{Mode}}{\text{S.D}}$
- (D) None of the above

113. Rank correlation coefficient is given by the formula

- (A) $1 - \frac{6\sum d^2}{N-1}$
- (B) $1 - \frac{6\sum d^2}{N^2-1}$
- (C) $1 - \frac{6\sum d^2}{N(N^2-1)}$
- (D) $1 + \frac{6\sum d^2}{N-1}$

114. The equation of regression line of y on x is $3x + 12y = 19$. What is the value of b_{yx} ?

(A) $\frac{-3}{19}$

(B) $\frac{12}{19}$

(C) $-\frac{3}{12}$

(D) $\frac{3}{12}$

115. If $b_{xy} = -0.95$ and $b_{yx} = -0.69$, the value of correlation coefficient is

(A) $+0.8$

(B) -0.9

(C) -0.8

(D) $+0.9$

116. The regression coefficient of x on y is

(A) $r \cdot \frac{\sigma_x}{\sigma_y}$

(B) $r \cdot \frac{\sigma_y}{\sigma_x}$

(C) $r \cdot \frac{\sigma_x}{\sigma_y} (x - \bar{x})$

(D) $r \cdot \frac{\sigma_y}{\sigma_x} (y - \bar{y})$

117. 8 coins are tossed simultaneously 100 times. What is the expected frequency of getting 3 heads?

(A) $100C_3 \cdot q^{100-3} \cdot p^3$

(B) $8C_3 \cdot q^{8-3} \cdot p^3$

(C) $100 \cdot 8C_3 \cdot q^{8-3} \cdot p^3$

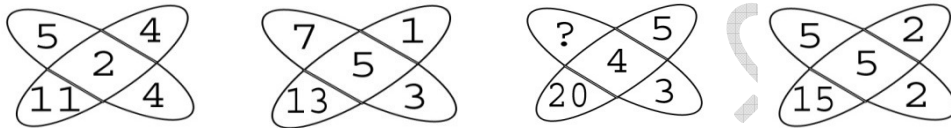
(D) None of the above

118. Find out the missing number in the below figure.

5	5	2
2	4	1
8	3	10
40	30	?

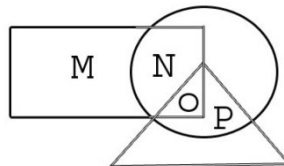
- (A) 10
- (B) 12
- (C) 13
- (D) 20

119. In the following question select the missing number from the given alternatives.



- (A) 10
- (B) 28
- (C) 18
- (D) 12

120. In the following diagram 'rectangle' represents people who read English news paper, 'circle' represents urban and 'triangle' represents people who read Kannada news paper. Which region represents non-urban people who read English news paper?



- (A) N
- (B) M
- (C) P
- (D) O

121. The year in which Mahatma Gandhi was born

- (A) 1868
- (B) 1869
- (C) 1867
- (D) 1870

122. Gaganyaan is associated to
- (A) water
 - (B) space
 - (C) aircraft
 - (D) temples
123. Fidel Castro is associated to which country?
- (A) Ireland
 - (B) Germany
 - (C) Spain
 - (D) Cuba
124. Who is Madhav Gadgil?
- (A) An economist
 - (B) An ecologist
 - (C) A poet
 - (D) A judge
125. Of the total land area of the world, how much percentage is covered by Asian continent?
- (A) About 19.5
 - (B) About 20.5
 - (C) About 21.5
 - (D) About 29.5
126. River Ganga is originated from
- (A) The Himalayas
 - (B) The Aravalli Range
 - (C) The Western Ghats
 - (D) The Eastern Ghats
127. Capital of Egypt
- (A) Tel Aviv
 - (B) Palestine
 - (C) Cairo
 - (D) Alexandria

128. Currency of Japan
- (A) Yen
 - (B) Zen
 - (C) Sen
 - (D) Yom
129. International day of disabled persons is on
- (A) December 1st
 - (B) December 2nd
 - (C) December 3rd
 - (D) December 4th
130. The military exercise between India and Singapore is called
- (A) SIMPLEX
 - (B) SIMBEX
 - (C) SURYA
 - (D) KIMBEX
131. Among the following who is a painter?
- (A) Ravindra Nath Tagore
 - (B) Abanindranath Tagore
 - (C) Abirami Tagore
 - (D) Ravindra Mullaya Tagore
132. Which country will host next Olympics?
- (A) Germany
 - (B) France
 - (C) Spain
 - (D) Italy
133. Next world cup football will be held in the year
- (A) 2022
 - (B) 2023
 - (C) 2024
 - (D) 2025

134. How many development blocks are there in Kerala?
- (A) 912
 - (B) 151
 - (C) 152
 - (D) 918
135. Head Quarters of KILA is located at
- (A) Thiruvananthapuram
 - (B) Kochi
 - (C) Kozhikode
 - (D) Thrissur
136. NCDC is associated with
- (A) Pandemic Control
 - (B) Medical Research
 - (C) Rural Health
 - (D) Vaccine Research
137. The headquarters of WHO is located in
- (A) China
 - (B) USA
 - (C) Switzerland
 - (D) Britain
138. Who propounded the possibility of placing communication satellites in geosynchronous orbit for the first time?
- (A) Edwin P.Hubble
 - (B) William Herschel
 - (C) Arthur C. Clarke
 - (D) Pierre Laplace

139. Which of the following can be found as pollutants in the drinking water in some parts of India?

1. Arsenic
2. Sorbital
3. Fluoride
4. Formaldehyde
5. Uranium

Select the correct answer using the code given below.

- (A) 1 and 3
- (B) 2,4 and 5
- (C) 1,3 and 5
- (D) All of the above

140. The imaginary line on the surface of the earth which is parallel to 180° meridian is called

- (A) international data line
- (B) tropic of cancer
- (C) equator
- (D) prime meridian

141. Which country led a boycott of the 1980 Olympic Games held in Moscow?

- (A) Great Britain
- (B) China
- (C) USA
- (D) South Korea

142. If the velocity-time graph of a particle is represented by $y = mt + v$, then the particle is moving with

- (A) constant speed
- (B) constant velocity
- (C) varying acceleration
- (D) constant acceleration

143. The Archaeological Survey of India (ASI) unearthed a trade centre of early historic period in Gottiprolu Village recently. The site is located in

- (A) Tamil Nadu
- (B) Andhra Pradesh
- (C) Telangana
- (D) Maharashtra

144. Which of the following is **NOT** a nitrogenous fertilizer?
- (A) Ammonium Sulphate
 - (B) Superphosphate
 - (C) Urea
 - (D) Ammonium nitrate
145. According to Global Hunger Index (2020), rank of India is
- (A) 100
 - (B) 101
 - (C) 102
 - (D) 99
146. SCHENGEN is associated to
- (A) USA free passport zone
 - (B) EU free passport zone
 - (C) UN free passport zone
 - (D) ME free passport zone
147. 49th parallel is the border between
- (A) USA and Canada
 - (B) USA and Brazil
 - (C) USA and Latin America
 - (D) USA and Chile
148. Bharatanatyam dance was originated in
- (A) Kerala
 - (B) Andhra Pradesh
 - (C) Manipur
 - (D) Tamil Nadu
149. How many princely states were amalgamated to form Kerala state in 1956?
- (A) 3
 - (B) 2
 - (C) 5
 - (D) 14

150. Author of the book “I do what I do”

- (A) Raghuram G Rajan
- (B) C Rangarajan
- (C) Kaushik Basu
- (D) S Venkitaraman

FOR REFERENCE ONLY-CUSAT

FINAL ANSWER KEY

Subject Name: 616 APPLIED ECONOMICS

SI No.	Key	SI No.	Key	SI No.	Key	SI No.	Key	SI No.	Key
1	A	31	B	61	A	91	B	121	B
2	B	32	D	62	B	92	C	122	B
3	B	33	B	63	C	93	B	123	D
4	A	34	C	64	B	94	C	124	B
5	D	35	A	65	C	95	B	125	D
6	A	36	B	66	D	96	B	126	B
7	B	37	C	67	C	97	B	127	C
8	A	38	D	68	C	98	B	128	A
9	B	39	C	69	B	99	B	129	C
10	A	40	D	70	A	100	C	130	B
11	B	41	C	71	C	101	A	131	B
12	B	42	A	72	C	102	B	132	B
13	D	43	D	73	B	103	D	133	A
14	D	44	B	74	B	104	C	134	C
15	A	45	A	75	D	105	C	135	D
16	A	46	A	76	A	106	D	136	B
17	A	47	A	77	B	107	C	137	C
18	D	48	C	78	B	108	C	138	C
19	A	49	A	79	A	109	D	139	A
20	D	50	D	80	C	110	A	140	A
21	C	51	A	81	B	111	D	141	B
22	B	52	B	82	C	112	A	142	D
23	B	53	B	83	A	113	C	143	B
24	D	54	B	84	D	114	C	144	B
25	D	55	C	85	B	115	C	145	B
26	D	56	C	86	D	116	A	146	B
27	C	57	D	87	C	117	C	147	A
28	B	58	C	88	B	118	A	148	D
29	D	59	B	89	D	119	D	149	B
30	B	60	B	90	C	120	B	150	A