

Paper-II (RA PLanning)

1. Which specific model formed the basis of the Second Five-Year Plan's focus on heavy industry?
 - A) Harrod-Domar
 - B) Mahalanobis
 - C) Solow-Swan
 - D) Kaldor
2. If the Nominal GDP of a country is ₹2,000 Crore and the GDP Deflator is 125, what is the Real GDP?
 - A) ₹1,500 Crore
 - B) ₹1,600 Crore
 - C) ₹1,800 Crore
 - D) ₹2,500 Crore
3. In an Operating System, 'Thrashing' occurs when:
 - A) The CPU is idle for too long
 - B) The system spends more time swapping pages than executing instructions
 - C) Multiple users log in simultaneously
 - D) A virus deletes system files
4. If a sum of money doubles itself in 8 years at Simple Interest, what is the rate of interest per annum?
 - A) 10%
 - B) 12.5%
 - C) 15%
 - D) 8%
5. The 'Rolling Plan' concept (1978–80) was characterized by which of the following?
 - A) Targets are fixed for 10 years
 - B) Performance is reviewed and targets revised annually for a new 5-year block
 - C) It eliminated the role of the Planning Commission
 - D) It was exclusively for the Agricultural sector
6. In a regression model $Y = a + bX + e$, if the coefficient of determination R^2 is 0.81, what is the correlation coefficient r ?
 - A) 0.81
 - B) 0.90
 - C) 0.64
 - D) 0.40

7. Which Excel function is used to find a value in the leftmost column and return a value in the same row from a specified column?
- A) HLOOKUP
 - B) INDEX-MATCH
 - C) VLOOKUP
 - D) LOOKUP
8. A man buys an article for ₹1,200 and spends ₹300 on repairs. If he sells it for ₹1,800, what is his profit percentage?
- A) 20%
 - B) 25%
 - C) 15%
 - D) 30%
9. In the context of Manipur's state planning, 'Special Category Status' grants what percentage of Central Assistance as a grant?
- A) 50%
 - B) 75%
 - C) 90%
 - D) 100%
10. A Type II error in hypothesis testing occurs when:
- A) We reject a true Null Hypothesis
 - B) We fail to reject a false Null Hypothesis
 - C) The p-value is less than alpha
 - D) The sample size is too small
11. In Networking, which layer of the OSI model is responsible for IP addressing and routing?
- A) Data Link Layer
 - B) Transport Layer
 - C) Network Layer
 - D) Session Layer
12. The ratio of the speeds of two trains is 7:8. If the second train runs 400 km in 4 hours, what is the speed of the first train?
- A) 70 km/hr
 - B) 87.5 km/hr
 - C) 80 km/hr
 - D) 90 km/hr

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13. Which agricultural reform in Manipur focuses on the creation of a digital land records database (NLRMP)?
- A) LISMP
 - B) NLRMP
 - C) Manipur Land Revenue Act
 - D) Digital India Land Records
14. If the Marginal Propensity to Consume (MPC) is 0.8, what is the value of the 'Investment Multiplier'?
- A) 2
 - B) 4
 - C) 5
 - D) 10
15. Which memory management technique compensates for physical RAM shortages by using disk storage?
- A) Cache Memory
 - B) Virtual Memory
 - C) ROM
 - D) Flash Memory
16. In a mixture of 60 litres, the ratio of milk and water is 2:1. How much water must be added to make the ratio 1:2?
- A) 40 litres
 - B) 60 litres
 - C) 20 litres
 - D) 30 litres
17. Which Five-Year Plan in India was terminated one year before its scheduled completion?
- A) Third Plan
 - B) Fourth Plan
 - C) Fifth Plan
 - D) Sixth Plan
18. In a normal distribution, what percentage of data falls within ± 2 standard deviations of the mean?
- A) 68.2%
 - B) 95.4%
 - C) 99.7%
 - D) 50%

19. What does the '#####' error signify in MS Excel?
- A) Formula is wrong
 - B) The column is not wide enough
 - C) Division by zero
 - D) Reference is invalid
20. A sum of money at Compound Interest amounts to thrice itself in 3 years. In how many years will it be 9 times itself?
- A) 9 years
 - B) 6 years
 - C) 12 years
 - D) 27 years
21. The 1991 LPG reforms addressed a Balance of Payments crisis. Which was NOT a component?
- A) Devaluation of Rupee
 - B) Abolition of Licensing
 - C) Increase in CRR and SLR
 - D) Reduction of Import Tariffs
22. Which 'Hypothesis Testing' tool is used specifically to compare the variances of two different samples?
- A) t-test
 - B) z-test
 - C) F-test
 - D) Chi-square test
23. Which protocol is used for securely logging into a remote computer over a network?
- A) HTTP
 - B) FTP
 - C) SSH
 - D) SMTP
24. If 12 men can complete a work in 15 days, how many men are required to complete it in 9 days?
- A) 15
 - B) 20
 - C) 25
 - D) 18
25. Manipur's 'Look East Policy' (Act East) primarily impacts which planning objective?
- A) Food self-sufficiency
 - B) Infrastructure for trans-border trade
 - C) Population reduction
 - D) Bank nationalization

26. The 'Gini Coefficient' is a statistical measure used to represent:
- A) Inflation
 - B) Unemployment
 - C) Income inequality
 - D) GDP growth
27. What is the role of 'Middleware' in E-Governance applications?
- A) User interface
 - B) Connecting disparate software applications and databases
 - C) Physical hardware server
 - D) Operating system
28. The price of petrol increases by 25%. By what percentage must consumption be reduced to keep expenditure the same?
- A) 25%
 - B) 20%
 - C) 15%
 - D) 30%
29. Which constitutional amendment gave statutory status to District Planning Committees (DPCs)?
- A) 71st
 - B) 73rd and 74th
 - C) 86th
 - D) 92nd
30. In Accounting, 'Prepaid Insurance' is classified as:
- A) Nominal Account
 - B) Representative Personal Account
 - C) Real Account
 - D) Liability Account
31. Which type of malware self-replicates through a network without human intervention?
- A) Virus
 - B) Worm
 - C) Trojan Horse
 - D) Spyware
32. A train 150m long is running at 54 km/hr. How long will it take to cross a 250m platform?
- A) 20 seconds
 - B) 26.6 seconds
 - C) 15 seconds
 - D) 30 seconds

33. NITI Aayog replaced the Planning Commission to shift from 'Top-Down' to 'Bottom-Up' planning. The apex body is:
- A) Governing Council
 - B) Executive Council
 - C) Regional Councils
 - D) Secretariat
34. What happens to the 'Standard Error' of the mean as the sample size increases?
- A) It increases
 - B) It decreases
 - C) It remains constant
 - D) It becomes zero
35. In MS Word, 'Mail Merge' is primarily used to:
- A) Send emails automatically
 - B) Create multiple personalized documents from a template
 - C) Check grammar
 - D) Merge two files
36. Solve for x: $0.004 \text{ times } x = 0.2$.
- A) 5
 - B) 50
 - C) 500
 - D) 0.5
37. The 'Vicious Cycle of Poverty' is primarily driven by:
- A) Low productivity leading to low income/savings
 - B) High export rates
 - C) Excessive industrialization
 - D) High literacy
38. 'Fisher's Ideal Index' is considered 'Ideal' because it satisfies:
- A) Time Reversal only
 - B) Factor Reversal only
 - C) Both Time and Factor Reversal Tests
 - D) Circular Test
39. Which file system is standard for modern Windows operating systems?
- A) FAT32
 - B) NTFS
 - C) exFAT
 - D) HFS+

40. In a class, the ratio of boys to girls is 4:5. If there are 36 boys, what is the total number of students?
- A) 45
 - B) 81
 - C) 90
 - D) 72
41. What was the primary objective of the 'Targeted Public Distribution System' (TPDS)?
- A) Universal food subsidy
 - B) Differential pricing for BPL and APL families
 - C) Export of surplus grain
 - D) Privatization
42. In Business Finance, 'Working Capital' is defined as:
- A) Fixed Assets - Current Liabilities
 - B) Current Assets - Current Liabilities
 - C) Total Assets - Total Liabilities
 - D) Cash balance
43. What is the purpose of 'CSS' (Cascading Style Sheets) in web development?
- A) Define structure
 - B) Define layout and visual presentation
 - C) Handle logic
 - D) Manage databases
44. If the side of a square is increased by 10%, its area increases by:
- A) 10%
 - B) 20%
 - C) 21%
 - D) 100%
45. Which specific sector was the primary driver for "inclusive growth" in Manipur's 12th Plan?
- A) Manufacturing
 - B) IT
 - C) Agriculture and Allied Services
 - D) Heavy Metals
46. A 'Negative Correlation' between X and Y implies:
- A) X increases as Y increases
 - B) X decreases as Y increases
 - C) No change
 - D) Independence

47. What is 'Data Mining' in the context of Portal Skills?

- A) Deleting data
- B) Extracting patterns from large data sets
- C) Data entry
- D) Backups

48. A sum put at simple interest for 3 years at a 2% higher rate would have fetched ₹360 more. The sum is:

- A) ₹4000
- B) ₹6000
- C) ₹5000
- D) ₹3000

49. Fiscal Consolidation reforms aimed at reducing the 'Fiscal Deficit' by:

- A) Increasing subsidies
- B) Cutting subsidies and restructuring debt
- C) Monetary expansion
- D) Importing more

50. Which of the following is an example of 'Primary Data' collection?

- A) Census reports
- B) Direct Personal Interview
- C) RBI Bulletin
- D) Newspaper

51. In an Excel formula, which symbol is used to create an 'Absolute Cell Reference'?

- A) %
- B) \$
- C) &
- D) #

52. What is the HCF of 108, 288, and 360?

- A) 18
- B) 36
- C) 54
- D) 72

53. Under the 'Product Method', how is 'Double Counting' avoided in National Income?

- A) Adding taxes
- B) Value-Added method (Output - Intermediate)
- C) Excluding services
- D) Including gifts

54. The 'Liquidity Trap' occurs when:
- A) Interest rates are very high
 - B) Interest rates are so low people prefer cash over bonds
 - C) Banks have no money
 - D) Deflation is zero
55. What is the function of a 'Compiler'?
- A) Line by line execution
 - B) Translate high-level code all at once
 - C) Design graphics
 - D) Browse web
56. A person crosses a 600m street in 5 minutes. What is the speed in km/hr?
- A) 3.6
 - B) 7.2
 - C) 8.4
 - D) 10
57. According to the 'Going Concern' principle in accounting:
- A) Assets are market value
 - B) The business is expected to continue indefinitely
 - C) Expenses match revenue
 - D) Capital is a liability
58. The 'Basis of Accounting' where revenue is recognized when earned, regardless of cash flow:
- A) Cash Basis
 - B) Accrual Basis
 - C) Hybrid
 - D) Inflation
59. Which topology requires a central 'Hub' or 'Switch' to connect all nodes?
- A) Bus
 - B) Star
 - C) Ring
 - D) Mesh
60. Value of $\sqrt{(10 + \sqrt{(25 + \sqrt{(108 + \sqrt{(154 + \sqrt{225})})})})}$ is:
- A) 4
 - B) 8
 - C) 10
 - D) 6

61. Which of the following is a 'Direct' measure of National Income?
- A) NNP at Factor Cost
 - B) GDP at Market Price
 - C) Personal Income
 - D) GNP at Market Price
62. In a Time Series, 'Seasonal Variation' is measured for a period of:
- A) >10 years
 - B) <1 year
 - C) 5 years
 - D) Decades
63. What does 'BCC' stand for in an email?
- A) Binary Carbon Copy
 - B) Blind Carbon Copy
 - C) Basic Client
 - D) Business Carbon
64. A shopkeeper marks goods 20% above CP and allows a 10% discount. Profit % is:
- A) 10%
 - B) 8%
 - C) 12%
 - D) 5%
65. In Probability, if events A and B are 'Independent', then $P(A \cap B)$ is:
- A) $P(A) + P(B)$
 - B) $P(A) \times P(B)$
 - C) $P(A) / P(B)$
 - D) $P(A) - P(B)$
66. Which Research Methodology focuses on understanding 'Why' and 'How' through non-numerical data?
- A) Quantitative
 - B) Qualitative
 - C) Experimental
 - D) Descriptive
67. In MS Excel, the 'IF' function is an example of a:
- A) Mathematical function
 - B) Logical function
 - C) Statistical function
 - D) Text function

68. If 20% of A = 30% of B = $\frac{1}{6}$ of C, then A : B : C is:
- A) 2:3:16
 - B) 15:10:18
 - C) 10:15:18
 - D) 3:2:12
69. Which sampling technique ensures every member of a diverse population is represented proportionally?
- A) Simple Random
 - B) Stratified Random
 - C) Snowball
 - D) Convenience
70. 'Window Dressing' in financial statements refers to:
- A) Decorating office
 - B) Manipulating accounts to show a better position
 - C) Accuracy
 - D) Tax prep
71. What is the function of the 'Control Unit' in the CPU?
- A) Logic operations
 - B) Storage
 - C) Direct flow of data/instructions
 - D) Power supply
72. Difference between CI and SI on ₹2500 for 2 years at 4% per annum is:
- A) ₹4
 - B) ₹40
 - C) ₹4.5
 - D) ₹2
73. The 'Debt-to-Equity' ratio is a measure of a company's:
- A) Liquidity
 - B) Profitability
 - C) Solvency
 - D) Efficiency
74. The 'Coefficient of Variation' is calculated as:
- A) $(\text{Mean} / \text{SD}) \times 100$
 - B) $(\text{SD} / \text{Mean}) \times 100$
 - C) $\text{Variance} \times 100$
 - D) SD^2

75. Which protocol provides a secure interface between different networks in E-Governance?
- A) Gateway
 - B) HTML
 - C) Excel
 - D) OS
76. If CP of 15 articles equals SP of 12 articles, the profit % is:
- A) 20%
 - B) 25%
 - C) 30%
 - D) 18%
77. If the Mean is 50 and the Median is 48, the distribution is:
- A) Symmetrical
 - B) Positively Skewed
 - C) Negatively Skewed
 - D) Log-normal
78. Which component of 'Balance of Payments' includes unilateral transfers (remittances)?
- A) Capital Account
 - B) Current Account
 - C) Financial Account
 - D) Errors
79. Shortcut key in MS Word to 'center align' a paragraph:
- A) Ctrl + C
 - B) Ctrl + E
 - C) Ctrl + L
 - D) Ctrl + J
80. In how many ways can the letters of the word 'LEADER' be arranged?
- A) 720
 - B) 144
 - C) 360
 - D) 72
81. In the organizational structure of NITI Aayog, which body is responsible for providing administrative support, coordinating meetings of the Governing Council, and managing day-to-day operations?
- A) Governing Council
 - B) Executive Council
 - C) Regional Council
 - D) Secretariat

82. In Probability, if $P(A) = 0.3$, $P(B) = 0.4$ and they are mutually exclusive, $P(A \cup B)$ is:
- A) 0.12
 - B) 0.70
 - C) 0.10
 - D) 1.0
83. In computers, 'SRAM' differs from 'DRAM' because:
- A) SRAM is slower
 - B) SRAM does not need periodic refreshing
 - C) DRAM is volatile
 - D) SRAM is for main memory
84. A boat travels 24 km upstream in 6 hrs and 20 km downstream in 4 hrs. Boat speed in still water?
- A) 4.5 km/hr
 - B) 3.5 km/hr
 - C) 4 km/hr
 - D) 5 km/hr
85. Structural adjustment (1991) focused on reducing the fiscal deficit through:
- A) Devaluation
 - B) Licensing
 - C) Subsidy cuts
 - D) Import tariffs
86. The 'Capital Asset Pricing Model' (CAPM) determines:
- A) Product price
 - B) Required rate of return on an asset
 - C) Total company value
 - D) Wage rate
87. In a Database (DBMS), a 'Primary Key' must be:
- A) Null
 - B) Unique
 - C) String
 - D) External
88. Find the smallest number which when divided by 8, 12, 15, and 20 leaves a remainder of 7.
- A) 127
 - B) 113
 - C) 120
 - D) 135

89. In Manipur, the sector contributing most to GSDP is:

- A) Primary
- B) Secondary
- C) Tertiary (Services)
- D) Quaternary

90. Which index number measures change in the purchasing power of money?

- A) WPI
- B) CPI
- C) Sensex
- D) GDP Deflator

91. A 'Proxy Server' is used primarily for:

- A) Storing passwords
- B) Improving security and anonymity
- C) UI design
- D) Database management

92. The ratio of the area of a square to the square drawn on its diagonal is:

- A) 1:1
- B) 1:2
- C) 1:4
- D) $1:\sqrt{2}$

93. 'Depreciation' in accounting is best described as a process of:

- A) Valuation
- B) Allocation of cost
- C) Cash accumulation
- D) Profit estimation

94. In Regression analysis, 'Multicollinearity' refers to:

- A) Correlation between independent variables
- B) Correlation between dependent/independent
- C) No correlation
- D) Error distribution

95. If $x + 1/x = 5$, then $x^2 + 1/x^2 = ?$

- A) 25
- B) 23
- C) 27
- D) 20

96. In Time Series, the 'Least Squares Method' is used to find the:

- A) Seasonal Index
- B) Moving Average
- C) Irregular Variation
- D) Trend Line

97. 'M1' money supply in India includes:

- A) Currency with public + Demand deposits + Other deposits with RBI
- B) Post office savings
- C) Time deposits
- D) NSC

98. If the cost of goods sold is ₹80,000 and Gross Profit is 20% on sales, what are sales?

- A) ₹96,000
- B) ₹1,00,000
- C) ₹64,000
- D) ₹1,20,000

99. A 'Z-test' is typically used when the sample size (n) is:

- A) $n > 30$
- B) $n < 30$
- C) $n = 10$
- D) $n = 5$

100. The 'Law of Variable Proportions' operates in:

- A) Long run
- B) Secular period
- C) Market period
- D) Short run