

Hall Ticket Number

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Q.B. No.

100069

Booklet Code :

A

Marks : 100

DL-316-ECO

Time : 120 Minutes

Paper-II

Signature of the Candidate

Signature of the Invigilator

INSTRUCTIONS TO THE CANDIDATE

(Read the Instructions carefully before Answering)

1. Separate Optical Mark Reader (OMR) Answer Sheet is supplied to you along with Question Paper Booklet. Please read and follow the instructions on the OMR Answer Sheet for marking the responses and the required data.
2. The candidate should ensure that the **Booklet Code printed on OMR Answer Sheet and Booklet Code supplied are same.**
3. **Immediately on opening the Question Paper Booklet by tearing off the paper seal, please check for (i) The same booklet code (A/B/C/D) on each page. (ii) Serial Number of the questions (1-100), (iii) The number of pages and (iv) Correct Printing.** In case of any defect, please report to the invigilator and ask for replacement of booklet with same code within five minutes from the commencement of the test.
4. Electronic gadgets like Cell Phone, Calculator, Watches and Mathematical/Log Tables are not permitted into the examination hall.
5. **There will be 1/4 negative mark for every wrong answer.** However, if the response to the question is left blank without answering, there will be no penalty of negative mark for that question.
6. Record your answer on the OMR answer sheet by using Blue/Black ball point pen to darken the appropriate circles of (1), (2), (3) or (4) corresponding to the concerned question number in the OMR answer sheet. Darkening of more than one circle against any question automatically gets invalidated and will be treated as wrong answer.
7. Change of an answer is **NOT** allowed.
8. Rough work should be done only in the space provided in the Question Paper Booklet.
9. **Return the OMR Answer Sheet and Question Paper Booklet to the invigilator before leaving the examination hall.** Failure to return the OMR sheet and Question Paper Booklet is liable for criminal action.

This Booklet consists of 17 Pages for 100 Questions +2 page of Rough Work
+1 Title Page i.e. Total 20 pages

1. Which of the following is *not* a shift factor of demand curve ?
 - (1) Price of substitutes
 - (2) Price of the commodity under observation
 - (3) Income of consumer
 - (4) Tastes and preferences of consumer
2. Which of the following is a relevant measure of responsiveness of demand, if the changes in price are not small ?
 - (1) Point elasticity of demand
 - (2) Proportional elasticity of demand
 - (3) Total elasticity of demand
 - (4) Arc elasticity of demand
3. Which of the following statements about the price demand curve is/are *true* ?
 - (A) In case of Giffen goods, the price demand curve has a positive slope
 - (B) In case of normal goods, the price demand curve has a positive slope
 - (C) In case of inferior goods, the price demand curve has a negative slope
 - (D) In case of luxury goods, the price demand curve has a positive slope
 Choose the *correct* answer :
 - (1) (A) and (B) only
 - (2) (B) and (C) only
 - (3) (D) only
 - (4) (A) and (D) only
4. Samuelson established the inverse relationship between price and quantity demanded by assuming :
 - (1) Income elasticity of demand is negative
 - (2) Marginal utility of money is constant
 - (3) Income elasticity of demand is positive
 - (4) Utility is independent
5. **Assertion (A)** : Indifference curves are concave to the origin if X and Y commodities are imperfect substitutes.
Reason (R) : MRS_{xy} diminishes if X and Y commodities are imperfect substitutes
 Choose the *correct* answer :
 - (1) (A) and (R) are true. But (R) is not the correct reason for (A)
 - (2) (A) and (R) are true. (R) is the correct reason for (A)
 - (3) (A) is true, but (R) is false
 - (4) (A) is false, but (R) is true
6. In relation to indifference curve analysis, *monomania* implies :
 - (1) A situation in which a consumer spends all his/her income on one commodity
 - (2) A situation in which a consumer spends all his/her income on two commodities
 - (3) Interior solution to consumer equilibrium
 - (4) Equilibrium with commodity space between two axes

7. Match the following Set-X with Set-Y :

**Set-X : Extent of substitutability
of factors of production**

Set-Y : Type of Isoquant

- | | |
|---|--------------------------------|
| (A) Factors of production are perfect substitutes | (I) Activity analysis Isoquant |
| (B) Substitution of factors is possible only over a range | (II) Input-output Isoquant |
| (C) Factors of production are fixed coefficients | (III) Smooth convex Isoquant |
| (D) Limited substitutability of factors of production | (IV) Linear Isoquant |

Choose the *correct* answer :

- | | | | |
|----------|-------|-------|-------|
| (1) A-II | B-I | C-III | D-IV |
| (2) A-IV | B-III | C-II | D-I |
| (3) A-IV | B-III | C-I | D-II |
| (4) A-II | B-IV | C-I | D-III |

8. Given the price function, $P = a - bx$, the marginal revenue function is :

- | | |
|----------------|-----------------|
| (1) $a - bx^2$ | (2) $a - 2bx^2$ |
| (3) $a - bx$ | (4) $a - 2bx$ |

9. Which of the following statements about economies of scale is/are *true* ?

- (A) Internal economies of scale affect the shape of short run cost curves only
(B) Internal economies of scale affect the shape of long run cost curves only
(C) External economies of scale will shift the short run cost curves only
(D) External economies of scale will affect the shape of short run cost curves only

Choose the *correct* answer :

- | | |
|----------------------|---------------------------|
| (1) (A) and (B) only | (2) (A), (B) and (C) only |
| (3) (D) only | (4) (A) only |

10. Assume that total revenue of a firm is Rs. 1,000, explicit cost is Rs. 800 and normal profit is Rs. 80, then the economic profit of a firm is :

- | | |
|-------------|-------------|
| (1) Rs. 200 | (2) Rs. 120 |
| (3) Rs. 280 | (4) Rs. 920 |

11. Which of the following is *not* an assumption of pure competition ?
- (1) Perfect mobility of factors of production
 - (2) Product homogeneity
 - (3) Free entry and exit of firms
 - (4) Profit maximisation
12. Under perfect competition, in the long run, if the industry experiences constant costs then :
- (1) The long run supply curve is an upward sloping straight line
 - (2) The long run supply curve is parallel to vertical axis
 - (3) The long run supply curve is parallel to horizontal axis
 - (4) The long run supply curve is a downward sloping straight line

13. **Assertion (A)** : The imposition of lump sum tax on monopolist reduce his excess profits.

Reason (R) : The imposition of lump sum tax on monopolist will increase his total fixed cost.

Choose the *correct* answer :

- (1) (A) and (R) are true. But (R) is not the correct reason for (A)
 - (2) (A) and (R) are true. (R) is the correct reason for (A)
 - (3) (A) is true, but (R) is false
 - (4) (A) is false, but (R) is true
14. Which of the following models assumed that *one duopolist is sufficiently sophisticated to recognise his rival's reactions* ?
- (1) Cournot's traditional duopoly model
 - (2) Bertrand's duopoly model
 - (3) Stackleberg's duopoly model
 - (4) Edgeworth's duopoly model
15. Match the following Set-X with Set-Y :

Set-X

- (A) Bilateral Monopoly
- (B) Monopolistic exploitation
- (C) Monopsony
- (D) Monopsonistic exploitation

Set-Y

- (I) Equilibrium is determinate
- (II) Excess of VMP over MRP
- (III) Equilibrium is indeterminate
- (IV) Excess of MRP over competitive wage

Note : VMP = Value Marginal Product; MRP = Marginal Revenue Product.

Choose the *correct* answer :

- (1) A-III B-II C-I D-IV
 - (2) A-IV B-III C-II D-I
 - (3) A-IV B-III C-I D-II
 - (4) A-III B-IV C-I D-II
16. In relation to circular flow of income, economic transactions generate :
- (1) Money flow only
 - (2) Real flow only
 - (3) Goods and services flow only
 - (4) Real and money flows

17. **Assertion (A) :** According to Keynesian theory of consumption, the short run consumption function is linear.

Reason (R) : According to Keynesian theory of consumption, Marginal Propensity to Consume decreases with an increase in Income.

Choose the *correct* answer :

- (1) (A) and (R) are true. But (R) is not the correct reason for (A)
- (2) (A) and (R) are true. (R) is the correct reason for (A)
- (3) (A) is true, but (R) is false
- (4) (A) is false, but (R) is true

18. Which of the following statements about investment are *not* true ?

- (A) Gross investment is equal to the sum of net investment and replacement investment
- (B) Net investment in current year is the sum of the capital stock in current year and the capital stock in previous year
- (C) Gross investment is equal to net investment, if replacement investment is zero
- (D) Gross investment is positive, if negative net investment is equal to replacement investment.

Choose the *correct* answer :

- (1) (A) and (D) only
- (2) (B) and (D) only
- (3) (B), (C) and (D) only
- (4) (A) and (C) only

19. Match the following Set-X with Set-Y :

Set-X	Set-Y
(A) Pigou's cash balance equation	(I) Treated money as any other durable good
(B) Modified version of Fisher's equation	(II) Neo-classical version of quantity theory of money
(C) Keynes' quantity theory	(III) Contra-quantity theory causation argument
(D) Friedman's restatement	(IV) Income version of quantity theory of money

Choose the *correct* answer :

- (1) A-II B-III C-I D-IV
- (2) A-IV B-III C-II D-I
- (3) A-II B-IV C-III D-I
- (4) A-III B-IV C-I D-II

20. What is the rate of inflation between 2016-17 and 2017-18, if the price index number for 2016-17 was 209.8 and the same for 2017-18 is 236.6 ?

- (1) 12.77%
- (2) 11.32%
- (3) 6.00%
- (4) 8.42%

21. **Assertion (A)** : With every additional unit of tax raised by the government, the burden of sacrifice by the society increases continuously.

Reason(R) : With every additional unit of public expenditure, the amount of benefit to society increases.

Choose the *correct* answer :

(1) (A) and (R) are true. But (R) is not the correct reason for (A)

(2) (A) and (R) are true. (R) is the correct reason for (A)

(3) (A) is true, but (R) is false

(4) (A) is false, but (R) is true

22. The nature of public finance, in relation to economic development, in under-developed countries is known as :

(1) Reactivation finance

(2) Activation finance

(3) Policy finance

(4) Performance finance

23. Which of the following statements about the taxes are *true* ?

(A) Ad Valorem tax is levied as percentage of value of a commodity

(B) Specific tax is levied on the basis of either weight of a commodity or per unit of commodity

(C) Specific tax is levied as percentage of value of a commodity

(D) Ad Valorem tax is levied on the basis of either weight of a commodity or per unit of commodity

Choose the *correct* answer :

(1) (A), (C) and (D) only

(2) (B) and (D) only

(3) (B), (C) and (D) only

(4) (A) and (B) only

24. Which of the following is *not* a canon of public expenditure ?

(1) Canon of equitable distribution (2) Canon of sanction

(3) Canon of convenience

(4) Canon of productivity

25. The Fifteenth Finance Commission of India will give recommendations for devolution of taxes and other fiscal matters for five years, commencing from :
- (1) 1st April 2021 (2) 1st April 2020
(3) 1st April 2019 (4) 1st April 2022
26. The chairman of a Review Committee set up by the central government, in the year 2016, to evaluate FRBM Act 2003 is :
- (1) N.K. Singh (2) Arvind Subramanian
(3) Urjit Patel (4) Dr. Rathin Roy
27. What type/technique of budget that the government should follow in times of economic depression ?
- (1) Surplus budget (2) Balanced budget
(3) Deficit budget (4) Revenue budget
28. Which of the following is *not* an assumption of Heckscher-Ohlin model of international trade ?
- (1) Labour and capital are perfectly mobile between industries within the country
(2) Presence of imperfect competition in commodity and factor markets
(3) Production functions yield constant returns to scale
(4) Labour and capital are perfectly immobile between countries
29. In the year 2017, the hypothetical values of price index of India's exports is 156, imports is 166 and the income terms of trade is 112.77. Then the quantity index of exports is :
- (1) 106 (2) 90
(3) 144 (4) 120
30. Fixed exchange rate system collapsed in the year :
- (1) 1880 (2) 1971
(3) 1944 (4) 1914

31. Given the Marginal Propensity to Save (MPS) and Marginal Propensity to Import (MPM), foreign trade multiplier is equal to :

- | | |
|---------------------------------|---------------------------------|
| (1) $\frac{1}{MPS - MPM}$ | (2) $\frac{1 + MPS}{MPS - MPM}$ |
| (3) $\frac{1 + MPS}{MPS + MPM}$ | (4) $\frac{1}{MPS + MPM}$ |

32. Which of the following statements are true ?

- (A) U.S. dollar deposits in banks outside United States, including foreign branches of U.S. banks are called euro-dollars
- (B) IMF provides assistance to member nations to tide over fundamental disequilibrium in balance of payments
- (C) IMF provides assistance to member nations for infrastructure development
- (D) IBRD provides assistance to member nations for reconstruction and development of their economies

Choose the *correct* answer :

- | | |
|---------------------------|---------------------------|
| (1) (A), (C) and (D) only | (2) (B), (C) and (D) only |
| (3) (A), (B) and (D) only | (4) (A) and (B) only |

33. Since the year 2010, in Human Development Report, Human Development Index is defined/measured in terms of :

- (1) Geometric mean of dimension indices
- (2) Harmonic mean of dimension indices
- (3) Weighted arithmetic mean of dimension indices
- (4) Composite arithmetic mean of dimension indices

34. Who among the following defined 'optimum population is that which gives the maximum income per head' ?

- | | |
|-------------------|--------------------|
| (1) L. Robbins | (2) Robert Malthus |
| (3) Carr-Saunders | (4) Dalton |

35. According to Karl Marx, which of the following is one of the reasons for falling rate of profit, in the long run, in capitalist economies ?

- (1) Fall in organic composition of capital
- (2) Rise in organic composition of capital
- (3) Elastic supply of labour in the short period
- (4) Over-consumption

36. Match the following :

- | Economist | Concept |
|------------------------|--|
| (A) Schumpeter | (I) Concept of frontier spirit |
| (B) Rostow | (II) Concept of stimulants and shocks |
| (C) Hansen | (III) Concept of creative destruction |
| (D) Harvey Leibenstein | (IV) Concept of Supplementary growth sectors |

Choose the *correct* answer :

- | | | | |
|-----------|-------|------|------|
| (1) A-II | B-III | C-I | D-IV |
| (2) A-IV | B-III | C-II | D-I |
| (3) A-III | B-IV | C-I | D-II |
| (4) A-III | B-IV | C-II | D-I |

37. Who among the following favoured the setting up of 'last industries first' to achieve economic growth ?
- (1) Nelson (2) Hirschman
(3) Hans Singer (4) H.H. Boeke
38. According to Joan Robinson, in a closed economy, golden age implies :
- (1) Steady growth with full employment where desired rate of accumulation is less than the possible rate of accumulation
(2) Steady growth with full employment where desired rate of accumulation is more than possible rate of accumulation
(3) Steady growth with full employment where desired rate of accumulation is equal to possible rate of accumulation
(4) Steady growth with unemployment where desired rate of accumulation is equal to possible rate of accumulation
39. Which of the following statements with regard to India's population are *true* ?
- (A) The absolute increase in India's population during 2001-2011 was 14.12 crore approximately
(B) Annual growth rate of population of India during 2001-2011 was 1.64% approximately
(C) The absolute increase in India's population during 2001-2011 was 18.12 crore approximately
(D) Growth rate of population of India during 2001-2011 was 1.04% approximately
- Choose the *correct* answer :
- (1) (A), (C) and (D) only (2) (B) and (C) only
(3) (A), (B) and (D) only (4) (A) and (B) only
40. Which of the following is *not* one of the immediate objectives outlined in National Population Policy-2000 ?
- (1) To reduce the total fertility rates to the replacement level
(2) To meet the needs of contraception
(3) To improve the health infrastructure
(4) To provide basic reproductive and child health care
41. Match the following :
- | | Scheme | Year of launching |
|-----|-------------------------------------|--------------------------|
| (A) | Pradhan Mantri Ujjawala Yojana | (I) 2017 |
| (B) | Janani Suraksha Yojana | (II) 2016 |
| (C) | Swachh Bharat Mission | (III) 2005 |
| (D) | Pradhan Mantri Matru Vandana Yojana | (IV) 2014 |
- Choose the *correct* answer :
- (1) A-II B-III C-I D-IV
(2) A-IV B-III C-II D-I
(3) A-III B-IV C-I D-II
(4) A-II B-III C-IV D-I

42. The average growth rate of GDP in India for the period from 2014-15 to 2017-18 was :
- (1) 6.5 percent (2) 6.75 percent
(3) 7.3 percent (4) 7.7 percent
43. As per the Economic Survey 2017-18, the percentage of total population living below the poverty line, measured by using headcount ratio method, in India in 2011-12 was :
- (1) 21.9 percent (2) 25.7 percent
(3) 13.7 percent (4) 19.9 percent
44. Which of the following statements are *not true* ?
- (A) In India, in 2015-16, the rural work participation rate was 41.8%
(B) In India, in 2015-16, the urban work participation rate was 50.5%
(C) In India, in 2015-16, the total unemployment rate was 7.7%
(D) In India, in 2015-16, the urban unemployment rate was 4.4%
- Choose the *correct* answer :
- (1) (A), (C) and (D) only (2) (A), (B) and (C) only
(3) (B) and (D) only (4) (A) and (B) only
45. Economic Survey 2017-18 identified ten new facts about the Indian Economy. Which one of the following is *not* a part of ten new facts ?
- (1) Large increase in registered direct and indirect tax payers
(2) Formal non-agricultural payroll much greater than believed
(3) To re-ignite growth, raising investment is more important than raising saving
(4) Absence of son 'meta' preference
46. Which one of the following is the idea/aim of Universal Basic Income (UBI) ?
- (1) Wipe out a few tears from every eye.
(2) Wipe out every tear from a few eyes
(3) Wipe out every tear from every eye
(4) Wipe out a few tears from a few eyes
47. Which of the following is *not* a cause of income inequalities in India ?
- (1) Equi-distribution of land ownership
(2) Concentration of assets in private corporate sector
(3) Inflation and the consequent price rise
(4) Urban bias in private investment

48. **Assertion (A)** : In India, through five year plans the government generally fixes targets even for those sectors over which the government has no control.
Reason (R) : In India, the management of entire agriculture sector is in the hands of private sector.

Choose the *correct* answer :

- (1) (A) and (R) are true. But (R) is not the correct reason for (A)
(2) (A) and (R) are true. (R) is the correct reason for (A)
(3) (A) is true, but (R) is false
(4) (A) is false, but (R) is true
49. Which five year plan of India accorded the highest priority to removal of poverty ?
(1) First five year plan (2) Second five year plan
(3) Third five year plan (4) Fifth five year plan
50. According to Economic Survey 2017-18, in the year 2011-12, the urban share of food expenditure at all India level was around :
(1) 52.9% (2) 42.6%
(3) 44.4% (4) 57.4%
51. As per the Fourth Advance Estimates for the year 2016-17, released by the Department of Agriculture, Co-operation and Farmers' Welfare, Govt. of India, the total food grains production is around :
(1) 265.7 million tonnes (2) 255.7 million tonnes
(3) 275.7 million tonnes (4) 285.7 million tonnes
52. Which of the following statements are *true* ?
(A) Agriculture sector has been witnessing a gradual structural change since 2011-12.
(B) Since 2011-12, the share of live stock in Gross Value Added from agriculture has been rising gradually.
(C) Since 2011-12, the share of crop sector in Gross Value Added from agriculture has been declining gradually.
(D) Since 2011-12, the share of fishing and aquaculture in Gross Value Added from agriculture has been constant.

Choose the *correct* answer :

- (1) (A), (C) and (D) only (2) (B) and (C) only
(3) (A), (B) and (D) only (4) (A), (B), (C) and (D)

53. By the year 2022, the central government aimed at achieving one of the following :
- (1) Double the food grains production
 - (2) Double the income of farmers
 - (3) Double the total irrigated area
 - (4) Double the employment opportunities
54. When was Central e-NAM launched by the Indian government ?
- (1) April 2016
 - (2) January 2016
 - (3) June 2016
 - (4) October 2016
55. **Assertion (A)** : The economic cost of wheat and rice procured by FCI registered significant increase since 2012-13.
Reason (R) : The minimum support price and procurement and distribution costs of wheat and rice are on the rise since 2012-13.
 Choose the *correct* answer :
- (1) (A) and (R) are true. But (R) is not the correct reason for (A)
 - (2) (A) and (R) are true. (R) is the correct reason for (A)
 - (3) (A) is true, but (R) is false
 - (4) (A) is false, but (R) is true
56. Which one of the following is considered as the base year for the Index of Industrial Production (IIP) at present in India ?
- (1) 2004-05
 - (2) 2010-11
 - (3) 2011-12
 - (4) 2017-18
57. Match the following :
- | Name of Project/Program | Nature of project/program |
|---------------------------|--|
| (A) Bharatmala Pariyojana | (I) To make flying accessible and affordable |
| (B) Station Redevelopment | (II) To promote port-led development |
| (C) UDAN | (III) Highways development |
| (D) Sagarmala | (IV) Commercial development of railways |
- Choose the *correct* answer :
- (1) A-II B-III C-I D-IV
 - (2) A-III B-IV C-I D-II
 - (3) A-II B-IV C-III D-I
 - (4) A-III B-IV C-II D-I
58. How much percentage of gross value added growth rate of India in 2017-18 was contributed by the service sector ?
- (1) 55.2%
 - (2) 60.2%
 - (3) 65.2%
 - (4) 72.5%

59. Which of the following is *not* a feature of 1991 industrial policy ?
- (1) Prime importance to public sector in industrial activity
 - (2) Abolition of industrial licensing
 - (3) Removal of stringent provisions in MRTP Act
 - (4) Reducing the role of public sector in industrial activity
60. Which of the following services was introduced by the Telangana government to transport pregnant women for antenatal check-up, deliveries and immunisation ?
- (1) '100' Service
 - (2) '112' service
 - (3) '102' service
 - (4) '1073' service
61. The urban population in Telangana state as percentage of its total population in the year 2011 was :
- (1) 31.15%
 - (2) 38.88%
 - (3) 30.18%
 - (4) 20.99%
62. Match the following with regard to per capita income in 2016-17 at current prices in Telangana :

District	Per capita income in 2016-17 at current prices (Fig in Rs)
(A) Hyderabad	(I) Rs. 3,15,745
(B) Peddapalli	(II) Rs. 1,04,660
(C) Nalgonda	(III) Rs. 1,29,723
(D) Rangareddy	(IV) Rs. 3,68,747

Choose the *correct* answer :

- (1) A-IV B-II C-III D-I
 - (2) A-I B-III C-IV D-II
 - (3) A-I B-III C-II D-IV
 - (4) A-IV B-III C-II D-I
63. In order to provide medical, legal and psychological support services under one roof to women survivors of violence, the Telangana State government established :
- (1) Sakhi centres
 - (2) Women welfare centres
 - (3) Aasara centres
 - (4) Economic rehabilitation centres
64. In the year 2016-17, the area under forests in Telangana state as percentage of its total geographical area was :
- (1) 22.07%
 - (2) 23.07%
 - (3) 24.07%
 - (4) 25.07%

72. Which of the following documents provides information on tourist places in Telangana state ?
- (1) Padya Chitramala (2) Kavya Chitramala
(3) Raaga Chitramala (4) Katha Chitramala
73. Which of the following is *not* a restricted random sampling method ?
- (1) Judgement sampling method (2) Cluster sampling method
(3) Systematic sampling method (4) Stratified sampling method
74. **Assertion (A)** : Collecting primary data through direct interview method is suitable for extensive field survey rather than intensive field survey.
Reason (R) : Chances of personal prejudice and bias are greater under direct interview method of collecting primary data compared to other methods of collecting primary data.
Choose the *correct* answer :
- (1) (A) and (R) are true. But (R) is not the correct reason for (A)
(2) (A) and (R) are true. (R) is the correct reason for (A)
(3) (A) is true, but (R) is false
(4) (A) is false, but (R) is true
75. The income of five employees are given as Rs. 500, Rs. 600, Rs. 700, Rs. 800 and Rs. 900. The median income is :
- (1) Rs. 650 (2) Rs. 700
(3) Rs. 600 (4) Rs. 550
76. Which of the following statements are *true* ?
- (A) Histogram is a set of vertical bars whose areas are proportional to the frequencies represented
(B) Two-dimensional diagrams are also known as surface diagrams
(C) Square is an example of area diagram
(D) Pie diagram is a set of vertical bars
- Choose the *correct* answer :
- (1) (A) and (D) only (2) (B) and (D) only
(3) (A), (B) and (C) only (4) (B), (C) and (D) only
77. Symmetrical distribution is a type of distribution in which :
- (1) Mean = Median > Mode (2) Mean = Median = Mode
(3) Mean > Median > Mode (4) Mean < Median < Mode
78. The value of coefficient of variation is 20.28 and arithmetic mean is 42.4. The value of Standard Deviation is :
- (1) 8.6 approximately (2) 12.12 approximately
(3) 22.12 approximately (4) 9.6 approximately
79. Which of the following is *not* a method of studying correlation ?
- (1) Graphic method (2) Scatter diagram method
(3) Least squares method (4) Cartogram method

80. Which of the following is *true* in relation to regression equation $Y = a + bX$?
 (1) Y is the independent variable (2) X is the dependent variable
 (3) 'a' is 'Y-intercept' (4) 'b' is 'Y-intercept'
81. **Assertion (A)** : The value of correlation coefficient is equal to the under-root of the product of two regression coefficients.
Reason(R) : The value of correlation coefficient may be more than one.
 Choose the *correct* answer :
 (1) (A) and (R) are true. But (R) is not the correct reason for (A)
 (2) (A) and (R) are true. (R) is the correct reason for (A)
 (3) (A) is true, but (R) is false
 (4) (A) is false, but (R) is true
82. In Laspeyre's method of constructing price index numbers, weights are determined by :
 (1) Quantities in the base period
 (2) Quantities in the current period
 (3) Prices in the base period
 (4) Prices in the current period
83. Which of the following is theoretically considered to be the best average for constructing index numbers ?
 (1) Harmonic mean (2) Simple arithmetic mean
 (3) Mode (4) Geometric mean
84. What is the shape of logistic curve generally used to measure secular growth trend ?
 (1) L shape (2) S shape
 (3) Inverted J shape (4) Inverted U shape
85. Match the following Set-X with Set-Y :
- | Set-X | Set-Y |
|--|--------------------|
| (A) Any number divided by zero is equal to | (I) One |
| (B) Zero divided by zero is equal to | (II) Indeterminate |
| (C) Zero divided by any number is equal to | (III) Infinite |
| | (IV) Zero |
- Choose the *correct* answer from the following :
- | | | |
|-----------|------|------|
| (1) A-IV | B-I | C-II |
| (2) A-III | B-IV | C-II |
| (3) A-III | B-II | C-IV |
| (4) A-II | B-I | C-IV |
86. An equation having its highest power as 2 is called as :
 (1) Linear equation (2) Cubic equation
 (3) Bi-quadratic (4) Quadratic

87. The second order condition for maxima is :
- (1) Second derivative of a function should be negative
 - (2) Second derivative of a function should be positive
 - (3) Second derivative of a function should be zero
 - (4) Second derivative of a function should be between zero and positive
88. Which of the following is an item of liabilities in the balance sheet of a commercial bank ?
- (1) Advances
 - (2) Deposits
 - (3) Bills discounted
 - (4) Investments
89. Which of the following instruments of monetary policy is used to control the volume of credit availability in the economy ?
- (1) Variations in margin requirements
 - (2) Moral suasion
 - (3) Open market operations
 - (4) Credit rationing
90. Which of the following statement/s is/are true ?
- (A) The Industrial Finance Corporation of India was the first development bank established in India in 1948.
 - (B) Industrial Development Bank of India was the first development bank established in India in 1955.
 - (C) Export-Import Bank (EXIM) was established in 1992.
 - (D) Industrial Credit and Reconstruction Corporation of India was renamed as ICICI Bank.
- Choose the correct answer :
- (1) (A) only
 - (2) (D) only
 - (3) (B) and (C) only
 - (4) (A), (C) and (D) only
91. Which of the following is considered as an apex organization in rural credit structure in India ?
- (1) Central Regional Rural Bank
 - (2) State Agricultural Co-operative Bank
 - (3) National Agricultural Co-operative Bank
 - (4) National Bank for Agriculture and Rural Development
92. Net income received from the purchase of treasury bill is equal to :
- (1) The sum of face value and the issue price of treasury bill
 - (2) The sum of redemption value and the issue price of treasury bill
 - (3) The difference between the redemption value and the face value of treasury bill
 - (4) The difference between the redemption value and the issue price of treasury bill

93. Match the following Set-X with Set-Y with regard to capital market in India :
- | Set-X | | Set-Y | |
|-----------------------|--|---------------------------------|--|
| (A) Preference shares | | (I) Coupon rate | |
| (B) Bonds | | (II) Do not carry voting rights | |
| (C) Derivatives | | (III) Futures | |
| (D) Equity shares | | (IV) Carry voting rights | |
- Choose the *correct* answer :
- (1) A-IV B-III C-I D-II
 (2) A-II B-I C-III D-IV
 (3) A-III B-II C-IV D-I
 (4) A-II B-III C-I D-IV
94. Which of the following is a renewable source of energy ?
- (1) Fossil fuels (2) Coal
 (3) Wind energy (4) Natural gas
95. Expenditure on education by the central and state governments, as percentage to GDP of India, in the year 2015-16 was :
- (1) 2.4% (2) 1.1%
 (3) 5.8% (4) 2.2%
96. What percentage of total road length of India, accounted for by national highways/ express ways as on September 2017 ?
- (1) 8.06% (2) 4.06%
 (3) 1.06% (4) 2.06%
97. Which of the following is *not* a biotic factor in our natural environment ?
- (1) Sunlight (2) Fungi
 (3) Heterotrophs (4) Bacteria
98. Which one of the following international commissions/organisations published the report on 'Our Common Future' which popularised the concept of sustainable development ?
- (1) Global Environmental Commission
 (2) United Nations Environmental Commission
 (3) Brundtland Commission
 (4) United Nations Green Environment Commission
99. Who among the following is associated with the work '*The Tragedy of the Commons*' ?
- (1) Nicholas Olson (2) Garrett Hardin
 (3) William Daly (4) Harry Nicholson
100. Which of the following is *not* a consequence of global warming problem ?
- (1) Melting of glaciers and ice caps
 (2) Shortage of fresh water in arid and semi-arid areas
 (3) Adverse impact on agricultural production
 (4) Positive impact on human health

Space for Rough Work

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