

P - III (1+1+1) H / 19 (N)

2019

ECONOMICS (Honours)

Paper Code : V-A & B

[New Syllabus]

Full Marks : 100

Time : Four Hours

**Important Instructions
for Multiple Choice Question (MCQ)**

- Write Subject Name and Code, Registration number, Session and Roll number in the space provided on the Answer Script.

Example : Such as for Paper III-A (MCQ) and III-B (Descriptive).

Subject Code :

III	A	&	B
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Subject Name :

- Candidates are required to attempt all questions (MCQ). Below each question, four alternatives are given [i.e. (A), (B), (C), (D)]. Only one of these alternatives is 'CORRECT' answer. The candidate has to write the Correct Alternative [i.e. (A)/(B)/(C)/(D)] against each Question No. in the Answer Script.

Example — If alternative A of 1 is correct, then write :

1. — A

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5/121-500

মাল্টি পল চয়েস প্রশ্নের (MCQ) জন্য জরুরী নির্দেশাবলী

- উত্তরপত্রে নির্দেশিত স্থানে বিষয়ের (Subject) নাম এবং কোড, রেজিস্ট্রেশন নম্বর, সেশন এবং রোল নম্বর লিখতে হবে।

উদাহরণ — যেমন Paper III-A (MCQ) এবং III-B (Descriptive)।

Subject Code : &

Subject Name :

- পরীক্ষার্থীদের সবগুলি প্রশ্নের (MCQ) উত্তর দিতে হবে। প্রতিটি প্রশ্নে চারটি করে সম্ভাব্য উত্তর, যথাক্রমে (A), (B), (C) এবং (D) করে দেওয়া আছে। পরীক্ষার্থীকে তার উত্তরের স্বপক্ষে (A) / (B) / (C) / (D) সঠিক বিকল্পটিকে প্রশ্ন নম্বর উল্লেখসহ উত্তরপত্রে লিখতে হবে।

উদাহরণ — যদি 1 নম্বর প্রশ্নের সঠিক উত্তর A হয় তবে লিখতে হবে :

1. — A

- ভুল উত্তরের জন্য কোন নেগেটিভ মার্কিং নেই।
- কোন অবস্থাতেই পরীক্ষার্থীকে পরীক্ষাচলাকালীন পরীক্ষাকেন্দ্রের বাইরে যাওয়ার অনুমতি দেওয়া যাবে না।
- অবাঞ্ছিত কোন শব্দ ব্যবহার করা অথবা অবৈধ কোনো কাজকর্মে লিপ্ত থাকলে ছাত্র/ছাত্রী তার পরীক্ষা বাতিলের জন্য নিজেই দায়ী থাকবে।
- প্রশ্নপত্রে নির্দেশিত বিশেষ নির্দেশ ছাড়া পরীক্ষাকক্ষে মোবাইল ফোন, ক্যালকুলেটর অথবা লগ-টেবিল ইত্যাদি ব্যবহার নিষিদ্ধ।

Paper Code : V-A

Full Marks : 20

Time : Thirty Minutes

Choose the correct answer.

Each question carries 2 marks.

1. Coefficient of variation is defined as —

(A) $\frac{SD}{Mean} \times 100$

(B) $\frac{MD}{Mean} \times 100$

(C) $\frac{SD}{Median} \times 100$

(D) $\frac{QD}{Mean} \times 100$

2. Consider the observations below

10 13 18 22 29. The value of median is —

(A) 22

(B) 18

(C) 20.5

(D) 20

3. The term 'statistic' is related to —

(A) Population

(B) Sample

(C) Correlation analysis

(D) None of the above

Turn Over

4. Two regression lines will be perpendicular when correlation coefficient is —
 (A) + 1
 (B) - 1
 (C) 0
 (D) 2
5. Correlation coefficient does not depend on —
 (A) Change in origin of the observations
 (B) Change in scale of the observations
 (C) Units of measurement of the observations
 (D) All the above
6. Which of the following index number formula is called ideas —
 (A) Laspyres' index
 (B) Paasche's index
 (C) Fisher's index
 (D) Bowley's index
7. According to multiplicative model of time series, output may be obtained as —
 (A) Geometrical Method
 (B) Trend × Seasonal variation + cyclical variation × Random variation
 (C) Trend × Seasonal variation × cyclical variation × Discrete variation
 (D) Trend × Seasonal variation × cyclical variation × Random variation

8. Rank correlation is appropriate when observations are —
 (A) Quantitative by nature
 (B) Qualitative by nature
 (C) A mix of Quantitative and Qualitative
 (D) Both (B) and (C)
9. Standard Deviation calculated from first n natural numbers is —
 (A) $\sqrt{\frac{n+1}{12}}$
 (B) $\sqrt{\frac{n^2-1}{12}}$
 (C) $\sqrt{\frac{n(n+1)}{2}}$
 (D) $\sqrt{\frac{n^2+1}{12}}$
10. For a Poisson distribution, $n = 9$, $P = \frac{1}{3}$. The value of mode will be —
 (A) 2, 3
 (B) 2
 (C) 3
 (D) 2.5

P - III (1+1+1) H / 19 (N)

2019

ECONOMICS (Honours)

Paper Code : V-B

[New Syllabus]

Full Marks : 80

Time : Three Hours Thirty Minutes

The figures in the margin indicate full marks.

Section - I

[Short Essay Type Questions]

Answer any four questions.

10×4=40

1. (a) Show that for a given set of observations the sum of the square of deviation is the minimum when deviations are taken from their AM.

(b) If the AM of two numbers is 10 and GM of the same numbers is 8. Find the HM of those numbers. 7+3

2. (a) Find the missing frequencies if the Median of the following distribution is 46

Marks : 10-20 20-30 30-40 40-50 50-60 60-70 70-80

Students : 12 30 ? 65 ? 25 18

(b) Two samples of sizes 40 and 50 respectively have the same mean 53 but different SD 19 and 8 respectively. Find the SD of combined sample. 6+4

3. Calculate coefficient of skewness of the following distribution using Pearson's formula : 10

<i>x</i> :	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5
<i>f</i> :	35	40	48	100	125	87	43	22

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(6)

4. (a) In order to find correlation coefficient between two variables X and Y from 25 pairs of observations the following calculations were made $n = 25, \sum X = 125, \sum X^2 = 650, \sum Y = 100, \sum Y^2 = 460, \sum XY = 508$. Subsequently it was found that the pair (6, 8) was wrongly copied instead of (8, 6). Find the correct correlation coefficient.

(b) Find the rank correlation coefficient of the following marks obtained by 10 students.

<i>Math</i> :	80	38	95	30	74	84	91
<i>Stat</i> :	85	50	92	58	70	65	88

6+4

5. Using the following data verify that Paasche's formula does not satisfy time reversal test as well as the Factor reversal test :

Commodity	1979		1980	
	Price	Quantity	Price	Quantity
Rice	32	50	30	55
Barley	30	35	40	30
Maize	16	55	18	50
Corn	10	40	8	60

10

6. (a) State the different component of time series.

(b) Fit a straight line trend equation by the method of least square and estimate the value of 1969.

<i>Year</i> :	1960	1961	1962	1963	1964	1965	1966	1967
<i>Value</i> :	300	400	650	720	690	600	870	930

2+8=10

7. Prove that the Mean and Variance of Poisson distribution is same. 10

Turn Over

5/121-500

(7)

8. (a) Distinguish between Statistic and Parameter.
 (b) What do you mean by Type I and Type II error. 5+5=10

Section - II
[Essay Type Questions]

Answer any *two* questions. 20×2=40

9. (a) State and prove the Addition Theorem of probability for two mutually exclusive events. What modifications would you make if the events are not mutually exclusive.

(b) Two dice are thrown simultaneously what is the probability of getting the sum total of face value ten, atleast ten and atmost ten. 6

(c) Write down the properties of Standard normal distribution. 6+8+6=14

10. (a) Find two regression equations from the following data :

X :	11	14	14	17	17	21	25
Y :	15	27	27	30	34	38	46

Also estimate the value of Y when X is 40.

(b) Show that the value of Rank correlation lies between -1 to +1.

(c) For the following lines of regression find the mean of X and Y.

$$8x - 100y + 66 = 0$$

$$40x - 18y = 214 \quad 10+6+4$$

11. (a) The number of runs scored by cricketers A and B during a test series of 5 test matches is shown below for each of the 10 innings.

A :	42	17	83	59	72	76	64	45	40	32
B :	28	70	31	0	59	108	82	34	3	95

make a comparative study of their batting performance. 10

(b) Calculate the 1st four central moment of the following frequency distribution.

Class interval :	0-10	10-20	20-30	30-40	40-50
Frequency :	1	3	4	2	1

10

12. (a) X is a discrete random variable having probability mass function :

X:	0	1	2	3	4	5	6	7
P(X=x)	0	K	2K	2K	3K	K ²	2K ²	7K ² +K

(i) Determine the constant value K.

(ii) Find P(X ≤ 6)

(iii) Find P(X > 6)

(b) Six coins are tossed in succession. Find the probability of getting more than 4 Heads and also atmost 3 Heads.

(c) If a random variable X follows a Poisson distribution such that P(X = 1) = P(X = 2). Find P(X = 0).

(d) State the two main properties of probability density function (p.d.f). 6+6+6+2=20

P - III (1+1+1) H / 19 (N)

2019

ECONOMICS (Honours)

Paper Code : VI-A & B

[New Syllabus]

Full Marks : 100

Time : Four Hours

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Example : Such as for Paper III-A (MCQ) and III-B (Descriptive).

Subject Code :

III	A	&	B
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Subject Name :

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5/122-500

মাল্টি পল চয়েস প্রশ্নের (MCQ) জন্য জরুরী নির্দেশাবলী

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উদাহরণ — যেমন Paper III-A (MCQ) এবং III-B (Descriptive)।

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III	A	&	B
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- পরীক্ষার্থীদের সবগুলি প্রশ্নের (MCQ) উত্তর দিতে হবে। প্রতিটি প্রশ্নে চারটি করে সম্ভাব্য উত্তর, যথাক্রমে (A), (B), (C) এবং (D) করে দেওয়া আছে। পরীক্ষার্থীকে তার উত্তরের স্বপক্ষে (A)/(B)/(C)/(D) সঠিক বিকল্পটিকে প্রশ্ন নম্বর উল্লেখসহ উত্তরপত্রে লিখতে হবে।

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Paper Code : VI-A

Full Marks : 20

Time : Thirty Minutes

Choose the correct answer.

Each question carries 2 marks.

1. Trade can not take place between two countries when there is —

- (A) Equal cost differences
- (B) Absolute cost differences
- (C) Comparative cost differences
- (D) Technological difference

2. Labour theory of value implies —

- (A) Labour is the only factor of production
- (B) All labour is of the same quality
- (C) Both (A) and (B)
- (D) Labour and Capital are two factors of production

3. Offer curve is also known as —

- (A) Terms of trade
- (B) Reciprocal demand curve
- (C) Production possibility curve
- (D) Trade indifference curve

Turn Over

4. Theory of Comparative Advantage was developed by —
- (A) Adam Smith
 - (B) Marshall
 - (C) David Ricardo
 - (D) Lerner
5. GATT was set up to promote —
- (A) Multilateral trade
 - (B) Bilateral trade
 - (C) Mutual trade
 - (D) Regional trade
6. Pattern of public expenditure is governed by —
- (A) Customs and habits of people
 - (B) Deliberate economic policy of Govt.
 - (C) Desires of the dominant social group
 - (D) The state of private business activities
7. In case of public goods, if amount is increased, AC tends to —
- (A) decrease
 - (B) increase
 - (C) indeterminate
 - (D) remain constant
8. The condition of efficiency in a world consisting of a pure Public (G) good and Private good (X) requires —
- (A) $MRS_{X,G} = MRT$
 - (B) $\sum MRS_{X,G} = MRT$
 - (C) $\sum MRS_{XG} \neq MRT$
 - (D) None of the above
9. Lump-sum tax is like —
- (A) Variable cost
 - (B) Fixed cost
 - (C) Quasi fixed cost
 - (D) Cess
10. In case of progressive tax system —
- (A) tax rate is proportional to income
 - (B) tax rate decreases as income increases
 - (C) tax rate and income are not related
 - (D) tax rate increases at a higher rate to increase in income

P - III (1+1+1) H / 19 (N)

2019

ECONOMICS (Honours)

Paper Code : VI-B

[New Syllabus]

Full Marks : 80

Time : Three Hours Thirty Minutes

The figures in the margin indicate full marks.

Group - A

[International Trade]

Section - I

[Short Essay Type Questions]

Answer any *two* questions. 10×2=20

1. (a) What is the basis of international trade discussed by Adam Smith? 5+5
 (b) What are the main drawbacks of Smith's theory. 5+5
2. State and explain Rybczynski theorem. 10
3. Write a short note on World Trade Organisation. 10
4. (a) Distinguish between balance of trade and balance of payments. 5+5
 (b) Distinguish between current account and capital account of the balance of payments. 5+5

Section - II

[Essay Type Questions]

Answer any *one* question.

5. (a) What are offer curves and how are they derived? 7+5+8=20
 (b) Distinguish between offer curve and ordinary demand or supply curves.
 (c) How is equilibrium terms of trade determined with the help of offer curves? 7+5+8=20
6. (a) Explain the concept of optimum tariff. 6+7+7=20
 (b) How would you measure optimum tariff?
 (c) Prove the superiority of optimum tariff over free trade. 6+7+7=20

Group - B

[Public Finance]

Section - I

[Short Essay Type Questions]

Answer any *two* questions. 10×2=20

7. State and explain the characteristics of public good. 10
8. Write a note on Equal Sacrifice Principle of Taxation. 10
9. Write a note on excess burden of taxation. 10
10. What is fiscal policy? State the main objectives of fiscal policy in the underdeveloped countries. 10

Turn Over

Section - II

[Essay Type Questions]

Answer any *one* question.

20×1=20

11. (a) Discuss the Benefit approach towards the determination of the tax share of an individual.

(b) Do you think that it is always regressive in nature ? 10+10=20

12. (a) Distinguish between internally held public debt and externally held public debt.

(b) Explain the consequences of rapid raise of public debt of an economy.

(c) Suggests some measures to reduce the burden of public debt.

6+8+6=20

P - III (1+1+1) H / 19 (N)

2019

ECONOMICS (Honours)

Paper Code : VII-A & B

[New Syllabus]

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Time : Four Hours

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Paper Code : VII-A

Full Marks : 20

Time : Thirty Minutes

Choose the correct answer.

Each question carries 2 marks.

- Prof. Amartya Sen explains the concept of development in terms of expansion of —
 - basic capabilities
 - range of choices
 - both (A) and (B)
 - none of the above
- The Balanced Growth Theory was propounded by —
 - Rosenstein Rodan
 - Hirschman
 - Kindleberger
 - Rostow
- Gini-coefficient ranges from —
 - 0 to 1
 - 1 to +1
 - 0 to ∞
 - 1 to ∞

4. The Incremental Capital Output Ratio (ICOR) determines a country's level of—
- (A) Investment efficiency
 - (B) Saving propensity
 - (C) Production efficiency
 - (D) Consumption efficiency
5. According to Demographic Transition Theory, total population is stable when —
- (A) birth rate is low and death rate is high
 - (B) birth rate is high and death rate is low
 - (C) birth rate and death rate both are low
 - (D) death rate is zero
6. Which of the following is not a selective credit control method used by the Reserve Bank of India (RBI) ?
- (A) Minimum margin requirement
 - (B) Ceiling on the amount of credit
 - (C) Statutory Liquidity Ratio (SLR)
 - (D) Discriminatory rate of interest
7. Indian tax system is _____ in nature.
- (A) Regressive
 - (B) Progressive
 - (C) Proportional
 - (D) Both Regressive and Proportional
- 8: The New Economic Policy (NEP) in India was adopted in the year —
- (A) 1988
 - (B) 1993
 - (C) 1991
 - (D) 1990
9. Which of the following tax is levied by the State Government ?
- (A) Income Tax.
 - (B) Export Duty
 - (C) Agricultural Income Tax
 - (D) Custom duty
10. Income generated from Tourism can be placed in which among the following —
- (A) Invisible import
 - (B) Invisible export
 - (C) Visible import
 - (D) Visible export

P - III (1+1+1) H / 19 (N)

2019

ECONOMICS (Honours)

Paper Code : VII-B

[New Syllabus]

Full Marks : 80

Time : Three Hours Thirty Minutes

The figures in the margin indicate full marks.

Group - A

[Development Economics]

Section - I

Answer any *two* questions. 10×2=20

1. (a) Distinguish between economic growth and economic development.
- (b) State and explain some obstacles to economic development of under developed countries. 5+5=10
2. Explain critically Leibenstein's Minimum Effort theory of development. 10
3. Discuss briefly Rostow's different stages of Economic growth. 10
4. Illustrate the 'Two-Gap model of Economic development. 10

Section - II

Answer any *one* question : 20×1=20

5. (a) Describe Harris-Todaro model of rural-urban migration.
- (b) Suggest some policies to reduce urban unemployment in the context of the model. 12+8=20

5/123-500

(6)

6. (a) What are the different concepts of disguised unemployment ?
- (b) Explain Sen's theoretical idea of surplus labour. 8+12=20

Group - B

[Indian Economic Issues and Planning]

Section - I

Answer any *two* questions : 10×2=20

7. Describe the trend of India's Balance of payments since 1991. 10
8. Discuss critically the current EXIM Policy of the government. 10
9. Discuss the salient features of the composition of India's Capital Market. 10
10. Discuss the monetary policies adopted by Reserve Bank of India to control the credit. 10

Section - II

Answer any *one* question. 20×1=20

11. Discuss some significant consequences of Economic Reforms in India. 20
12. (a) Discuss the performance of Public Sector Enterprises in India.
- (b) Discuss the changes in the economic policies of the government of India towards public sector. 10+10=20

5/123-500

(7)

P - III (1+1+1) H / 19 (N)

2019

ECONOMICS (Honours)

Paper Code : VIII-A & B

[New Syllabus]

Full Marks : 100

Time : Four Hours

**Important Instructions
for Multiple Choice Question (MCQ)**

- Write Subject Name and Code, Registration number, Session and Roll number in the space provided on the Answer Script.

Example : Such as for Paper III-A (MCQ) and III-B (Descriptive).

Subject Code :

III	A	&	B
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Subject Name :

- Candidates are required to attempt all questions (MCQ). Below each question, four alternatives are given [i.e. (A), (B), (C), (D)]. Only one of these alternatives is 'CORRECT' answer. The candidate has to write the Correct Alternative [i.e. (A)/(B)/(C)/(D)] against each Question No. in the Answer Script.

Example — If alternative A of 1 is correct, then write :

1. — A

- There is no negative marking for wrong answer.
- No student will be allowed to leave the examination hall before completion of the examination.
- Using abusive language or employing any other unfair means, he/she will render himself/herself liable to disqualify.
- Use of any mobile phone, calculator or log table etc. in the examination hall is prohibited, except specially instructed in the question paper.

5/124-500

মাল্টি পল চয়েস প্রশ্নের (MCQ) জন্য জরুরী নির্দেশাবলী

- উত্তরপত্রে নির্দেশিত স্থানে বিষয়ের (Subject) নাম এবং কোড, রেজিস্ট্রেশন নম্বর, সেশন এবং রোল নম্বর লিখতে হবে।

উদাহরণ — যেমন Paper III-A (MCQ) এবং III-B (Descriptive)।

Subject Code : III A & B

Subject Name :

- পরীক্ষার্থীদের সবগুলি প্রশ্নের (MCQ) উত্তর দিতে হবে। প্রতিটি প্রশ্নে চারটি করে সম্ভাব্য উত্তর, যথাক্রমে (A), (B), (C) এবং (D) করে দেওয়া আছে। পরীক্ষার্থীকে তার উত্তরের স্বপক্ষে (A) / (B) / (C) / (D) সঠিক বিকল্পটিকে প্রশ্ন নম্বর উল্লেখসহ উত্তরপত্রে লিখতে হবে।

উদাহরণ — যদি 1 নম্বর প্রশ্নের সঠিক উত্তর A হয় তবে লিখতে হবে :

1. — A

- ভুল উত্তরের জন্য কোন নেগেটিভ মার্কিং নেই।
- কোন অবস্থাতেই পরীক্ষার্থীকে পরীক্ষাচলাকালীন পরীক্ষাকেন্দ্রের বাইরে যাওয়ার অনুমতি দেওয়া যাবে না।
- অবাস্তবিক কোন শব্দ ব্যবহার করা অথবা অবৈধ কোনো কাজকর্মে লিপ্ত থাকলে ছাত্র/ছাত্রী তার পরীক্ষা বাতিলের জন্য নিজেই দায়ী থাকবে।
- প্রশ্নপত্রে নির্দেশিত বিশেষ নির্দেশ ছাড়া পরীক্ষাকক্ষে মোবাইল ফোন, ক্যালকুলেটর অথবা লগ-টেবিল ইত্যাদি ব্যবহার নিষিদ্ধ।

Paper Code : VIII-A

Full Marks : 10

Time : Thirty Minutes

Choose the correct answer.

Each question carries 2 marks.

- 'Open access' property suffers from the problem of —
 - Greenhouse effect
 - Tragedy of Commons
 - Increasing Returns to Scale
 - None of the above
- Market failure occur when —
 - Property Rights are not defined
 - There is externality in production
 - Moral Hazard and Adverse Selection exist
 - All of the above
- Identify the suitable policy which can help to reduce pollution —
 - General Awareness Campaign
 - Pigouvian taxes and subsidies
 - Both (A) and (B)
 - None of the above

4. Coase theorem ensures a socially desirable outcome when —

- (A) Polluters are given right to pollute
- (B) Victim is given right to pollution free environment
- (C) Outcome always ensures social optimum irrespective of who enjoys the property rights
- (D) None of the above

5. What are Command and Control Regulations (CAC)?

- (A) Government use price mechanism to internalize the externalities.
- (B) Government imposes tax directly on pollution.
- (C) Government uses law that directs technology to reduce pollution.
- (D) Government implements subsidy.

P - III (1+1+1) H / 19 (N)

2019

ECONOMICS (Honours)

Paper Code : VIII-B

[New Syllabus]

Full Marks : 90

Time : Three Hours Thirty Minutes

The figures in the margin indicate full marks.

Group - A

[Environmental Economics]

Section - I

[Short Essay Type Questions]

Answer any *two* questions.

10×2=20

1. (a) Explain how externalities may affect adversely the management of 'common property resources'.
(b) Discuss the methods of internalizing the environmental externalities. 4+6
2. (a) What is a free-riding problem ?
(b) How does it affect collective action in management of public goods ? 4+6
3. Explain Material Balance Model. What are its limitations. 8+2
4. (a) Explain 'sustainable development'.
(b) Distinguish between 'strong' and 'weak' sustainability.

Turn Over

- (c) Does 'sustainable development' mean non-extraction of resources.
2+5+3=10

Section - II

[Essay Type Questions]

Answer any *one* question. 20×1=20

5. (a) How does the command and control approach become cost ineffective in case of
- (i) technological standard and
 - (ii) uniform standards.
- (b) Is a cost effective solution possible in this respect? Explain in a two-polluter framework using equi-marginal principle of optimality.
10+10
6. (a) Define Environmental Externalities.
- (b) Explain how distribution of benefits of public goods is affected due to presence of externalities.
- (c) Develop a model of environmental damage caused by negative externality.
4+8+8

Group - B

[Essay]

Write an essay on any *one* of the followings 50×1=50

7. Poverty and Unemployment in India.
8. Progressive Vs Proportional taxation.

9. Theories of consumption function.
10. Balanced vs unbalanced growth.
11. Rural credit in India : Problems, Nature and Remedies.
12. Measures of dispersion of statistical data.
13. Property Rights and management of resources.
14. Keynesian macroeconomic model.
15. India's economic reform and development.
16. Foreign Trade and Economic Development.