

Q.	Part A - Indian Economics Development	Marks
1	(b) Per capita income rises	1
2	(a) Devaluation of rupee	1
3	(d) None of these	1
4	(c) Both a and b	1
5	(c)	1
6	(d) Both (a) and (c)	1
7	(d) All of the above	1
8	(a) Increase in the fiscal deficit of the country.(b) Depleting foreign exchange reserves.(c) India fails to generate loans from all the sources.	1
9	Industrial sector reforms	1
10	Communism	1
11	Explain the state of Indian industries during British rule.	3
	(a) Discriminatory Tariff Policy: The British Government allowed tariff free export of raw materials from India and tariff free import of British industrial products into India. But a heavy duty on the export of Indian handicrafts products. It leads to decay of the handicrafts industry in India.	
	(b) Competition from machine: Industrial revolution in Britain gave a stiff competition to the handicraft industries in India. Due to low cost and better-quality product produced by machine forced the Indian craftsmen to shut down the handicraft Industry in India.	
	(c) New Patterns of Demand: Owing to British rule in India, a new class of people emerged in India. This changed the pattern of demand in India against the Indian products and in favour of British products. As a result, the Indian Industry tended to Perish	



12	 (a) Lack of political will: The Task Force was of the view that there was lack of political will in the enactment of progressive measures of land reforms and their efficient implementation. Efficient implementation requires far hard political decisions and effective political support, direction and control. (b) Lack of Financial Support: Lack of financial support is still another hindrance in the way of land reforms. No separate allocation of funds was made in the Five-Year Plans for financing land reforms. (c) Corruption or poor implementation: The responsibility for the implementation of land reforms rests with the revenue administration in almost all the states. To implement land reforms is only one among its many functions. 	3
	19,1	
13	Change in the rate of growth: 1 st stage: birth rate high due to lack of education, death rate high due to lack of medical facilities: This stage has been called a high population growth potential stage. It is characterised by high and fluctuating birth and death rates which will almost neutralize each other. 2 nd stage: high birth rate but low death rate as a result of better medical facilities: It is called the stage of Population Explosion. In this stage the death rate is decreasing while the birth rate remains constant at a high level. 3 rd stage: both birth and death rate are low: It is also characterised as a population stage because the population continues to grow at a fast rate. In this stage, the birth rate as compared to the death rate declines more rapidly. As a result, the population grows at a diminishing rate. India is still in 2 nd stage. OR	4
	 (a) High birth and High death rate implied low survival rate, which was nearly 8 per thousand per annum. (b) Life expectancy was as low as 32 years which shows the lack of health care facilities, lack of awareness as well as lack of means for health care. (c) Literacy rate was as low as 16 percent, which reflects the social and economic backwardness of the country. (d) Infant Mortality rate was also high. 	



14	 Free flow of goods and foreign investment that will increase foreign reserves and increase employment: (i) Employment Generation Outsourcing from developed nations has helped in creating more employment opportunities in India. It has resulted in generation of higher paying jobs which utilize the skills of educated youth of India. (ii) Increased Foreign Investment Successful execution of processes outsourced to India has increased India's international credibility and hence the inflow of foreign capital to India. (iii) Promotes Other Sectors Outsourcing creates various backward and forward linkages which make it beneficial for other related sectors like industrial and agricultural sector too. (iv) Human Resource Development Outsourcing has helped in developing human resources by draining the youth and imparting skills required for specific jobs which have high remunoration 					
15				4		
	Basis	Capitalism	Socialism			
	(a) Ideology	Maximisation of profit by any means necessary. It also believes in <i>Laissez</i> - <i>Faire</i> , a philosophy which emphasizes on leaving circumstance to run their natural course without any external intervention	From each according to his ability, to each according to his contribution			
	(b) Economy Planning	In capitalist societies, the economy is planned as per the functioning of the free- markets	The economy is planned by the central government			
	(c) Ownership of Economic Resources	Private ownership of economic resources and property is actively encouraged with little to no government intervention	Individuals can own personal property but all industrial and production capacity is communally owned and managed by a democratically elected government.			
	(d) Welfare	The welfare system is available only to those who have the wealth to pay for their services.	The state will be for the welfare of everyone in the society without any discrimination			



16	 Industrial policy resolution 1956 was a clear and loud declaration of the government on the leading role in the growth process of the country. Its principal elements are: (a) Classification of the industries: Industries were classified in three categories one under the public sector, another which could be established both as the private and public sector and lastly those industries which are under the private sector. (b) Industrial licensing: Industries in the private sector could be established through a license from the government. It was done to encourage a check on indiscriminate growth of private industries. A license was also needed to establish a new enterprise, to expand the production capacity. It was done to regulate allocation of resources. (c) Industrial sops: The private entrepreneurs were offered many types of industrial sops (concession) for establishing industry in backward region of the country. These sops included exemption from tax to establish industries in backward regions and power supply at concessional rate. 	6
17	 (a) The main motive of the British government was to foster the interest of the British Government rather than to accelerate the growth of Indian economy. Their policies were mainly for making India only a mere exporter of raw material and importer of finished goods. As a result poverty prevailed in India These are the positive contributions made by British in India (a) There was some infrastructural development during the British in the area of transport and communication. (b) Introduction of railways, was a major breakthrough followed by the development of some ports and the construction of some roads. (c) There was a transition from barter system of exchange to monetary system of exchange, which facilitated division of labour & large-scale production. 	6
	SECTION - B Economics for Statistics	
18	(d) service provided by doctor in hospital	1
19	Primary data is a type of data that is collected by researchers directly from main sources through interviews, surveys, experiments, etc.	1
20	There are two sources of data in Statistics. (a) Statistical sources of collection (b) Non-statistical sources of collection	1
21	Mailing method is useful when the field of investigation is massive and the respondents are expanded over a wide area.	1



22	A sample is an unbiased number of observations taken from a population.						
23	(b) Statistical Method						
24	data						
25	(c) Arithmetic	mean		1			
26	Arithmetic me values of diffe	eans are the number ol erent items by their nur	btained by dividing the total number mber.	1			
27	70			1			
28				3			
	Items	s of diture	Family (x)				
		(Rs.)	Degrees				
	Food	450	450 / 1000 x 360 [°] = 162 [°]				
	Clothing	300	300 / 1000 x 360 ⁰ = 108 ⁰				
	Rent	200	200 / 1000 x 360 ⁰ = 72 ⁰				
	Educatio	on 50	50 / 1000 x 360 ⁰ = 18 ⁰				
	Total	1,000	360				
	(a) Quota sar	Chart Title	• Education				
	(a) Quota sar	OR mpling: In this method	l, interviewers are allotted definite				

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1	Data is required to be arranged in ascending order to calculate less th cumulative frequencies.						4
	Mar	ks Numb stude	er of Cur ents	nulative fre	equencies		
	30 -	35 5		5			
	35 -	40 11	1	16			
	40 -	45 15	5	31			
	45 -	50 9		40			
	$Me = L_1 + = 40 + = 40 + = 40 + = 40 + = 48$	{(N/2 - c.f) / f} {(40 - 16) / 15 {24 / 15} x 5 8	x i } x 5	17	Init	19 P.P.	
2							
	Marks	No. of students (f)	Mid-Point	fm	m²	fm ²	4
	Marks 0 - 10	No. of students (f) 5	Mid-Point (m)	fm 25	m ² 25	fm² 125	4
	Marks 0 - 10 10 - 20	No. of students (f) 5 10	Mid-Point (m) 5 15	fm 25 150	m ² 25 225	fm² 125 2,250	4
	Marks 0 - 10 10 - 20 20 - 30	No. of students (f) 5 10 25	Mid-Point (m) 5 15 25	fm 25 150 625	m ² 25 225 625	fm ² 125 2,250 15,625	4
	Marks 0 - 10 10 - 20 20 - 30 30 - 40	No. of students (f) 5 10 25 20	Mid-Point (m) 5 15 25 35	fm 25 150 625 700	m ² 25 225 625 1,225	fm ² 125 2,250 15,625 24,500	4
	Marks 0 - 10 10 - 20 20 - 30 30 - 40	No. of students (f) 5 10 25 20 N = 60	Mid-Point (m) 5 15 25 35	fm 25 150 625 700 Σfm = 1,500	m ² 25 225 625 1,225	fm2 125 2,250 15,625 24,500 Σfm ² = 42,500	4
	Marks 0 - 10 10 - 20 20 - 30 30 - 40 Standard	No. of students (f) 5 10 25 20 N = 60 deviation (σ)	Mid-Point (m) 5 15 25 35 $= \sqrt{\Sigma fm^2/N} - (M_{\odot})^2$ $= \sqrt{42500}/60$ $= \sqrt{708} - 20,70$	fm 25 150 625 700 Σfm = 1,500 (Σfm - N) ² - (1,500 - 73,600	m ² 25 225 625 1,225	fm2 125 2,250 15,625 24,500 Σfm ² = 42,500	4



33										
	X		Y	X - X x	X ²	Y - Ÿ y	y²		ху	
	20	25		0	0	0	0	0		
	17	24		-3	9	-1	1	3		
	19	22		-1	1	-3	9	9		
	24	29		+4	16	+4	16	64		
	ΣX = 8	0 ΣΥ	= 100	$\Sigma \mathbf{x} = 0$	$\Sigma \mathbf{x}^2 = 26$	Σy = 0	Σ y ² = 26	Σχ	y = 76	
	$X = \Sigma X $ = 80/4 $\overline{Y} = \Sigma Y $	/ N I = 20 / N = 1 / \N = 1	00/4 = 28	5						
	= 76 / = 76 / = 76/20 = 2.92	√√26 x 2 √26 x 2 √676 6	x 2y² 26							
34	r = 2.87 = 76 / 2^{-1} = 76/20 = 2.92 Calculat	$\sqrt[3]{28 \times 2}}$ $\sqrt[3]{676}$ $\sqrt[6]{6}$	26 Price Ind	lex Num	ber:	e e	PLU.			6
34		$\sqrt[3]{2} \times 2$ $\sqrt{26} \times 2$ $\sqrt{676}$ 6 tion of 2011 Y	26 Price Ind 8 (Base ′ear)	lex Num 2020	ber: (Current (ear)	p ⁰ q ¹	p ⁰ q ⁰	p ¹ q ¹	p ¹ q ⁰	6
34		√√2x² √26 x 2 √676 6 tion of 2018 Y Price (p ⁰)	26 Price Ind 8 (Base 'ear) Quantity (q ⁰)	lex Num 2020 / Price (p ¹)	ber: (Current Year) Quantity (q ¹)	p ⁰ q ¹	þ ₀ d ₀	p ¹ q ¹	p ¹ q ⁰	6
34		$\sqrt[4]{26 \times 2}}{\sqrt{26 \times 2}}$ √676 6 tion of 2011 Y Price (p ⁰) 10	x 2y ² Price Ind 8 (Base ⁷ ear) Quantity (q ⁰) 15	lex Num 2020 / Price (p ¹) 25	ber: (Current Year) Quantity (q ¹) 30	p ⁰ q ¹ 300	p ⁰ q ⁰ 150	p ¹ q ¹ 750	p ¹ q ⁰ 375	6
34	F = 2.877 = 76 / 2 = 76 / 2 = 76/20 = 2.92 Calculat Items A B	$\sqrt{\sqrt{2} \times 2}}$ $\sqrt{26} \times 2$ $\sqrt{676}$ 6 tion of 2018 Y Price (p ⁰) 10 40	x 2y ² Price Ind 8 (Base ^(ear) Quantity (q ⁰) 15 25	lex Num 2020 / Price (p ¹) 25 50	ber: (Current Year) Quantity (q ¹) 30 15	p ⁰ q ¹ 300 600	p ^o q ^o 150 1,000	p ¹ q ¹ 750 750	p ¹ q ⁰ 375 1,250	6
34	F = 2.xy/ = 76 / 2 = 76 / 2 = 76/20 = 2.92 Calculat Items A B C	$ \frac{\sqrt{28 \times 2}}{\sqrt{26 \times 2}} $ $ \frac{\sqrt{26}}{\sqrt{676}} $ fion of $ \frac{2018}{Y} $ Price (p ⁰) $ 10 $ 40 $ 30 $	x 2y ² Price Ind 8 (Base 'ear) Quantity (q ⁰) 15 25 20	lex Num 2020 / Price (p ¹) 25 50 45	ber: (Current Year) Quantity (q ¹) 30 15 20	p ⁰ q ¹ 300 600 600	p ⁰ q ⁰ 150 1,000 600	p ¹ q ¹ 750 750 900	p ¹ q ⁰ 375 1,250 900	6
34	F = 2.xy / = 76 / / = 76 / / = 2.92 Calculat Items A B C D	$ \frac{\sqrt{28 \times 2}}{\sqrt{26 \times 2}} $ $ \frac{\sqrt{26 \times 2}}{\sqrt{676}} $ fion of $ \frac{2012}{Y} $ Price (p ⁰) 10 40 30 20	x 2y ² Price Ind 8 (Base ⁷ ear) Quantity (q ⁰) 15 25 20 30	lex Num 2020 / Price (p ¹) 25 50 45 20	ber: (Current Year) Quantity (q ¹) 30 15 20 25	p ⁰ q ¹ 300 600 500	p ^o q ^o 150 1,000 600	p ¹ q ¹ 750 750 900 500	p ¹ q ⁰ 375 1,250 900 600	6

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Fisher's price index = $\sqrt{\Sigma p^1 q^0} / \Sigma p^0 q^0 x \Sigma p^1 q^1 / \Sigma p^0 q^1 x 100$
= √ 3,125 / 2,350 x 2,900 / 2,000 x 100
= √1.33 x 1.45 x 100
= √1.93 x 100
= 1.39 x 100
= 139



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