

ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව
 இலங்கைப் பரீட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம்
 Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka
 இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரīட்சைத் திணைக்களம் இலங்கைப் பரīட்சைத் திணைக்களம்

අධ්‍යයන පොදු සහතික පත්‍ර (උසස් පෙළ) විභාග, 2015 අගෝස්තු
 கல்விப் பொதுத் தராதரப் பத்திர (உயர் தர)ப் பரீட்சை, 2015 ஆகஸ்ட்
 General Certificate of Education (Adv. Level) Examination, August 2015

ආර්ථික විද්‍යාව I
 பொருளியல் I
Economics I

21 E I

පැය දෙකයි
 இரண்டு மணித்தியாலம்
Two hours

Page No.	Question No.	Marks
01	01 - 05	
02	06 - 15	
03	16 - 23	
04	24 - 31	
05	32 - 42	
06	43 - 50	
Total		

Index No. :

For Examiner's Use Only		
	Signature	Code No.
1st Examiner		
2nd Examiner		
Addl. Chief		
E.M.F.		
Chief		

Instructions:

- * Answer all the questions on this question paper itself.
- * Write your **Index Number** in the space provided in the answer sheet.
- * Select the correct answers for questions No. 1-50 and write its number on the dotted line given.

- Which of the following is a microeconomic statement?
 - (1) The price of rubber declined by 10% last year.
 - (2) Unemployment was 5.8% of the labour force last year.
 - (3) The real Gross Domestic Product increased by 7% last year.
 - (4) The general price level increased by 4% last year.
 - (5) The tax revenue of the government decreased by 8% last year. (.....)
- The three key groups of decision makers in an economic system are
 - (1) households, business firms and banks.
 - (2) households, business firms and government.
 - (3) business firms, government and non-governmental organizations.
 - (4) business firms, banks and foreign traders.
 - (5) households, government and banks. (.....)
- The opportunity cost of a particular activity
 - (1) is the same for everyone pursuing the activity.
 - (2) includes both monetary costs and foregone income.
 - (3) includes monetary cost only.
 - (4) includes foregone income only.
 - (5) measures the direct benefits of that activity. (.....)
- Along a country's production possibilities frontier,
 - (1) the level of technology is changing.
 - (2) more of one good can be produced without giving up producing some of the other good.
 - (3) resources are not being fully utilized.
 - (4) available resources are being fully utilized.
 - (5) there is productive inefficiency in the economy. (.....)
- If resources were perfectly substitutable in all economic activities, which of the following would be true?
 - (1) Output of all goods could be increased.
 - (2) The production possibilities curve would be a straight line.
 - (3) Specialization and mutually beneficial trade would be impossible.
 - (4) No country or individual would have a comparative advantage in any activity.
 - (5) Scarcity of resources would be eliminated. (.....)

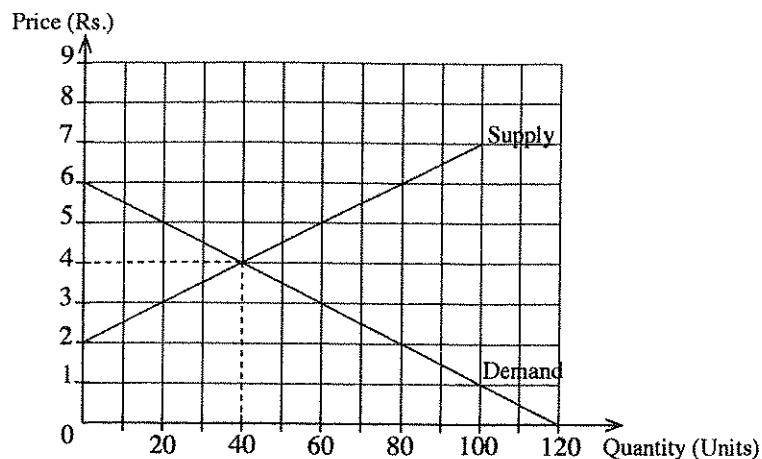
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6. The economy based on capitalism includes all of the following characteristics **except**
- (1) a price system based on demand and supply.
 - (2) a system of private property.
 - (3) self interest among households and entrepreneurs.
 - (4) freedom of enterprise.
 - (5) centralized planning. (.....)
7. The degree of government involvement in the economy is greater in
- (1) a market economy. (2) a command economy. (3) a mixed economy.
 - (4) a social market economy. (5) a traditional economy. (.....)
8. If the demand for milk powder increases whenever a person's income increases, then milk powder is an example of
- (1) an inferior good. (2) a free good. (3) a Giffen good.
 - (4) a public good. (5) a normal good. (.....)
9. At a given time, when demand increases and supply decreases in a competitive market for a 'normal good',
- (1) equilibrium price will fall and equilibrium quantity will rise.
 - (2) equilibrium price and quantity will both rise.
 - (3) equilibrium quantity will rise; equilibrium price will either rise or fall.
 - (4) equilibrium price will fall; equilibrium quantity will either rise or fall.
 - (5) equilibrium price will rise; equilibrium quantity will either rise, fall or remain unchanged. (.....)
10. Sugar and jaggery are considered as substitutes for each other in many consumption activities. Therefore, if the price of sugar rises, we would expect
- (1) the demand for jaggery to increase.
 - (2) the demand for jaggery to decrease.
 - (3) the quantity demanded for jaggery to decrease.
 - (4) the price of jaggery to decrease.
 - (5) the quantity demanded for jaggery to increase. (.....)
11. Suppose that the price elasticity of demand for coconut is -1.0 . When the price is Rs. 60 per coconut, quantity demand is 500 coconuts. What will be the price of coconut when the quantity demand is 600 coconuts?
- (1) Rs. 30 (2) Rs. 40 (3) Rs. 50 (4) Rs. 55 (5) Rs. 60 (.....)
12. Which of the following will cause the demand curve for a good to shift to the left?
- (1) An increase in the price of the good
 - (2) A decrease in the price of the good
 - (3) A decrease in the price of a complementary good
 - (4) An increase in the price of a substitute good
 - (5) An expectation of a future price decline (.....)
13. With a downward sloping market demand curve and an upward sloping market supply curve for a product, a decrease in input price will:
- (1) increase equilibrium price and quantity.
 - (2) decrease equilibrium price and quantity.
 - (3) shift the supply curve to the left.
 - (4) decrease equilibrium price and increase equilibrium quantity.
 - (5) increase equilibrium price and decrease equilibrium quantity. (.....)
14. A small country's domestic market demand curve and supply curve for sugar are respectively represented by the following equations:
- $$Q_d = 320 - 3P \text{ (Demand)}$$
- $$Q_s = -80 + 2P \text{ (Supply)}$$
- Assume that the sugar market is open to international trade and the world market price of sugar is Rs. 60 per unit. What is the quantity of sugar that are domestically supplied when the country is open to international trade?
- (1) 40 units (2) 60 units (3) 80 units (4) 100 units (5) 140 units (.....)
15. Suppose the demand for petrol is very inelastic and the supply is very elastic. An excise tax on petrol will be borne
- (1) more heavily by buyers. (2) more heavily by sellers.
 - (3) equally by buyers and sellers. (4) entirely by taxpayers.
 - (5) by neither buyers nor sellers. (.....)

16. The graph shows the demand and supply curves in a competitive market for an agricultural commodity.



The government wants to promote the production of this commodity and decides to pay producers a subsidy of Rs. 2 per unit that they produce. The consumers' surplus after the subsidy is,
 (1) Rs. 20. (2) Rs. 80. (3) Rs. 90. (4) Rs. 160. (5) Rs. 180. (.....)

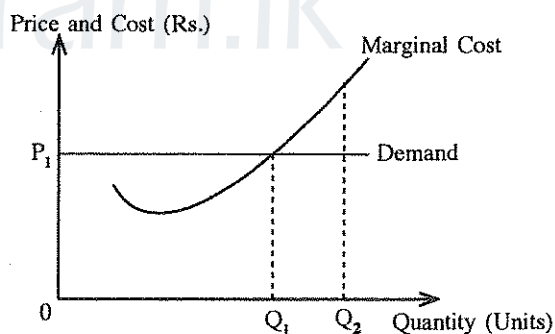
17. A price ceiling set below the market equilibrium price will result in
 (1) an excess supply. (2) an excess demand. (3) an equilibrium price.
 (4) an increase in supply. (5) a decrease in demand. (.....)

18. In the production process, a short run is a period of time in which
 (1) the firm is not able to hire more workers. (2) the amount of output produced is fixed.
 (3) there is a shortage of most inputs. (4) all inputs are fixed but output can be varied.
 (5) the quantities of some inputs are fixed and others can be varied. (.....)

19. The vertical distance between the total cost (TC) and total variable cost (TVC) curves is
 (1) decreasing as output decreases. (2) increasing as output decreases.
 (3) equal to marginal cost (MC). (4) equal to total fixed cost (TFC).
 (5) equal to average fixed cost (AFC). (.....)

20. Given the cost and demand schedules of a competitive firm depicted in the diagram given below, if the firm increased output from Q_1 to Q_2 , it would

- (1) earn a normal profit.
 (2) experience an increase in profit.
 (3) experience a decline in profits.
 (4) increase revenues but not costs.
 (5) increase costs but no revenues.



21. Which of the following is **not** a characteristic of monopolistically competitive market?
 (1) Relatively easy market entry (2) Differentiated products
 (3) Substantial product advertising (4) A large number of both buyers and sellers
 (5) Firms face perfectly elastic demand curves (.....)

22. In the circular flow of income diagram of an economy, which one of the following flows directly from government?
 (1) Taxes (T) (2) Exports (X) (3) Savings (S)
 (4) Transfer payments (Tr.) (5) Investment expenditure (I) (.....)

23. In the contractionary phase of the business cycle,
 (1) investment is rising and the output is falling.
 (2) unemployment is rising and the output is falling.
 (3) unemployment is falling and the price level is rising.
 (4) unemployment is falling and the output is rising.
 (5) unemployment is rising and the output is rising. (.....)

24. At present, the largest component of gross domestic capital formation in Sri Lanka is
 (1) machinery and equipment. (2) financial assets.
 (3) land improvement and plantation development. (4) changes in stocks.
 (5) construction. (.....)
25. To calculate GDP from the expenditure side, one must add together
 (1) wages, profits, government purchases and net exports.
 (2) wages, rent, interest and profits.
 (3) consumption, investment, government purchases and exports.
 (4) consumption, investment, government purchases and net exports.
 (5) consumption, government purchases, taxes and interest. (.....)
26. At present, Sri Lanka's GDP at current market price is approximately
 (1) US \$ 50 billion. (2) US \$ 75 billion. (3) US \$ 100 billion.
 (4) US \$ 125 billion. (5) US \$ 150 billion. (.....)

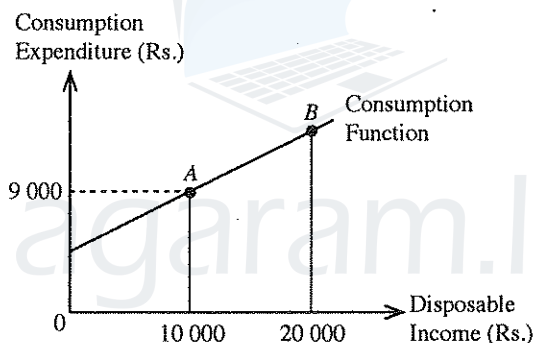
27. Consider the following macroeconomic data for an economy which is operating at an equilibrium national income level.

Item	Rs. million	Item	Rs. million
Consumption expenditure	5 000	Imports	1 200
Tax revenue	1 000	Exports	980
Government purchases	1 500	GDP at market price	8 000

The level of investment in this economy is

- (1) Rs. 310 million. (2) Rs. 320 million. (3) Rs. 1 220 million.
 (4) Rs. 1 720 million. (5) Rs. 1 940 million. (.....)

28.



The diagram above displays a linear consumption function. If the autonomous consumption is Rs. 4 000, what is the amount of consumption expenditure does point B correspond to?

- (1) Rs. 18 000 (2) Rs. 17 000 (3) Rs. 16 000 (4) Rs. 14 000 (5) Rs. 10 000 (.....)
29. Economists assume that as real GDP increases
 (1) exports will increase. (2) imports will decrease. (3) net exports will be constant.
 (4) net exports will increase. (5) net exports will decrease. (.....)
30. Which of the following groups would actually benefit from an occurrence of unexpectedly high inflationary price increase?
 (1) Retired workers
 (2) Lenders
 (3) Wage earners
 (4) Elderly people who have saved money during their working years
 (5) Borrowers (.....)
31. When an economy is at full employment, which of the following will most likely to generate demand-pull inflation?
 (1) A decrease in the budget deficit (2) A decrease in net exports
 (3) A decrease in trade union power (4) A decrease in the real rate of interest
 (5) A decrease in the money supply (.....)

43. The Table below shows the number of bicycles and tractors which can be produced with a composite resource unit in country A and country B.

Product	Country A	Country B
Tractors	20	2
Bicycles	60	10

Assume that each country specializes in the production in which it has a comparative advantage. For mutually beneficial trade to occur, the rate of exchange between tractors and bicycles should be

- (1) less than 3 bicycles per tractor. (2) between 3 and 5 bicycles per tractor.
 (3) between 2 and 60 bicycles per tractor. (4) between 6 and 10 bicycles per tractor.
 (5) more than 10 bicycles per tractor. (.....)
44. Which is the only combination of price changes that must result in a deterioration in a country's terms of trade?

	Average price of exports	Average price of imports
(1)	falls	rises
(2)	falls	falls
(3)	rises	falls
(4)	rises	rises
(5)	remains unchanged	falls

(.....)

45. Under a flexible exchange rate system, which of the following should increase the rupee price of the US dollar?

- (1) The rate of inflation greater in the United States than in Sri Lanka
 (2) National income increases greater in the United States than in Sri Lanka
 (3) The increased preference of US citizens for Sri Lankan garments
 (4) A substantial reduction of imports coming to Sri Lanka from the United States
 (5) Real interest rate increases greater in the United States than in Sri Lanka (.....)

46. Economic growth is usually measured by the annual percentage change in

- (1) nominal GDP. (2) real GDP.
 (3) nominal GDP per capita. (4) per capita disposable national income.
 (5) purchasing power parity GDP per capita. (.....)

47. In a hypothetical economy, if the number of people classified as unemployed is 50 000 and the number of people classified as employed is 450 000, then the rate of unemployment in that economy is

- (1) 11.1% (2) 10.0% (3) 9.2% (4) 8.0% (5) 7.4% (.....)

48. It has been reported that over the last 10 years, the Gini coefficient of income distribution of a particular country has risen from 0.45 to 0.65. Which of the following is a likely cause for this change?

- (1) Market power in the factor and output markets has increased
 (2) Labour market discrimination has been eliminated
 (3) The distribution of wealth and property has become more equitable
 (4) The vast majority of adults have achieved at least a pass in the Advanced Level
 (5) The tax system has become even more progressive (.....)

49. Which of the following is most likely to reduce inequality in a country's distribution of income?

- (1) An increase in the population growth rate
 (2) Vocational training for low skill workers
 (3) An increase in the budget deficit
 (4) A decrease in funding for training unemployed workers
 (5) Imposition of a regressive tax (.....)

50. The tremendous increase in imports and exports that has occurred globally over the last few decades has been caused primarily by:

- (1) removal of non-tariff barriers in most countries.
 (2) increased interest in protectionism in most countries.
 (3) rapidly declining transportation and communications costs.
 (4) decreases in wages in developing countries.
 (5) shifts in political authority away from central planning in most countries. (.....)

* * *

AL/2015/21/E-II

සියලු ම හිමිකම් ඇවිරිණි / முழுப் பதிப்புரிமையுடையது / All Rights Reserved

ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව
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 கல்விப் பொதுத் தராதரப் பத்திர (உயர் தர)ப் பரீட்சை, 2015 ஆகஸ்ட்
 General Certificate of Education (Adv. Level) Examination, August 2015

ආර්ථික විද්‍යාව II
 பொருளியல் II
 Economics II

21 E II

පැය තුනයි
 மூன்று மணித்தியாலம்
 Three hours

Instructions:

- * Answer five questions only, selecting minimum of two questions from Sub-section 'A' and two questions from Sub-section 'B'.
- * Graph papers will be provided.

Sub section 'A'

(Select minimum of two questions from this section.)

1. (i) Explain, using examples, the difference between a free good and an economic good. (04 marks)
- (ii) Explain the concept of opportunity cost and describe how does opportunity cost relate to the problem of scarcity? (04 marks)
- (iii) Describe, using production possibilities curves, how economies can grow faster if they are willing to cut back on current consumption. (04 marks)
- (iv) Are all points along a production possibilities frontier equal in terms of economic efficiency? Explain your answer. (04 marks)
- (v) Are market economies necessarily capitalist? Are command economies necessarily socialist? Explain your answer. (04 marks)
2. (i) What factors are held constant in drawing a market supply curve? (04 marks)
- (ii) Describe how the income and substitution effects explain the 'law of demand'. (04 marks)
- (iii) Distinguish between a price floor and a price ceiling and give an example of each. (04 marks)
- (iv) Who pays most of the burden of a specific (unit) tax on producers when supply is inelastic? Explain your answer using an appropriate diagram. (04 marks)
- (v) The following equations describe the market demand and supply functions of a commodity:

$$Q_d = 100 - 4P \text{ (Demand)} \quad Q_s = -30 + 6P \text{ (Supply)}$$
 (a) Calculate the equilibrium price and quantity using the equations and show this equilibrium accurately on a graph. (02 marks)
- (b) Calculate producer surplus and consumer surplus at market equilibrium and show them on a graph. (02 marks)
3. (i) Distinguish between explicit (direct) costs and implicit (indirect) costs giving examples of each. (04 marks)
- (ii) Why do economists regard normal profit as a cost? (04 marks)
- (iii) Name the four types of market structures. (04 marks)
- (iv) What is the rule of profit maximization? How can this rule be restated when the firm is a price-taker? (04 marks)
- (v) Suppose a price-taking firm, in a given short period, produces 20 units of output. The market price of its output equals Rs. 50 per unit. At 20 units of output, average total cost equals Rs. 60 and average variable cost equals Rs. 40.
 (a) How much profit or loss does this firm make in the given short period? (02 marks)
- (b) How much is the total fixed cost of the firm? (02 marks)

[See page two]

4. (i) What are the **three** approaches in measuring aggregate economic activity of a country? Why do these three approaches give the same value for aggregate economic activity? (04 marks)
- (ii) What are the main sources of national savings in Sri Lanka? (04 marks)
- (iii) In what ways are national income statistics useful? (04 marks)
- (iv) Suppose you are given the following information about a hypothetical economy: (All figures are in Rs. million)

Item	Value	Item	Value
Gross private domestic investment	70	Government transfers to households	25
Government purchases	50	Interest payments from the government to households	15
Gross Domestic Product at market prices	400	Factor income received from abroad	7
Current account balance of the Balance of Payments	-25	Factor payments made to abroad	12
Taxes	100	Net foreign current transfers	10

Calculate the following, using the above information:

- (a) Net exports (02 marks)
- (b) Private consumption expenditure (02 marks)
- (c) Disposable Gross National Income (02 marks)
- (d) Government savings (02 marks)

5. (i) Consider the following aggregate consumption function:

$$C = a + bY_d$$

In this equation, C is aggregate consumption expenditure and Y_d is the disposable national income level. Explain how you interpret the coefficients **a** and **b**. (04 marks)

- (ii) What is meant by the equilibrium level of national income? What are the conditions required for the equilibrium level in national income in an open economy? (04 marks)
- (iii) Suppose in a closed economy, planned saving is greater than planned investment. Under such situation explain how the economy achieves equilibrium level of national income. (04 marks)
- (iv) The following macroeconomic data is given for a closed economy: (All figures are in Rs. million)

Consumption (C)	=	$50 + 0.8Y_d$
Investment (I)	=	120
Government purchases (G)	=	100
Taxes (T)	=	80
Government transfers to households (Tr.)	=	55

- (a) Determine the equilibrium level of national income for this economy. (02 marks)
- (b) If Government purchases rises to Rs. 200 million, what would be the new equilibrium level of national income? (02 marks)
- (c) What is the value of the government expenditure multiplier? (02 marks)
- (d) If the government intends to achieve a target level of the national income of Rs. 2000 million, what would be the required level of total government purchases? (02 marks)

Sub section 'B'

(Select minimum of two questions from this section.)

6. (i) Define 'money' and briefly describe how money has removed the defects of the barter system. (04 marks)
(ii) Explain why credit cards are **not** money. (02 marks)
(iii) List the macroeconomic variables that determine the demand for money in the economy. Briefly explain how these variables affect the demand for money. (04 marks)
(iv) How would you distinguish between demand-pull inflation and cost-push inflation? Explain your answer using necessary diagrams. (04 marks)
(v) Why there is very high level of excess liquidity in the domestic money market in Sri Lanka at present? What measures have been taken by the Central Bank of Sri Lanka to absorb the excess liquidity of the banking system? (06 marks)
7. (i) Distinguish between 'pure public goods' and 'merit goods'. (04 marks)
(ii) Explain, using an appropriate diagram, how the market system fails to allocate resources efficiently when the production of goods entails external costs. (05 marks)
(iii) Define proportional tax, progressive tax and regressive tax. (03 marks)
(iv) What is meant by 'excess burden of taxation'? Show graphically the 'excess burden' when a unit tax is imposed on producers of a good. (05 marks)
(v) "Sri Lanka's public debt appears even more worrisome when compared to the government revenue". Explain this statement. (03 marks)
8. (i) What are the benefits that countries derive from international trade? (04 marks)
(ii) State the main economic arguments for trade protectionism. (04 marks)
(iii) What factors determine a country's international competitiveness? (04 marks)
(iv) A summary of current account transactions of the balance of payments of a hypothetical economy is given in the Table below: (All figures are in Rs. million)

Item	Credit	Debit	Item	Credit	Debit
Merchandise goods	800	1200	Sea transport	180	150
Compensation of employees	5	10	Interest income	-	35
Financial services	25	30	Workers' remittances	285	50
Dividends	10	70	Travel	140	100
Air transport	100	60	Telecommunications	75	30
Government transfers	15	-	Non-monetary gold	5	55

- Calculate the following using above data: (01 mark)
(a) The balance of trade (01 mark)
(b) The balance on goods and services (01 mark)
(c) The balance on primary income account (01 mark)
(d) The balance on secondary income account
- (v) Under a floating exchange rate system, explain how the following domestic factors can affect the exchange rate: (02 marks)
(a) An increase in real GDP (02 marks)
(b) A decrease in the inflation rate

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9. (i) How important is per capita income as a measure of development? (04 marks)
- (ii) How does the World Bank classify countries according to their per capita income levels? (04 marks)
- (iii) Are economic growth and sustainable development incompatible? Explain your answer. (04 marks)
- (iv) Identify the areas where Sri Lanka has made considerable progress in the achievement of Millennium Development Goals. (04 marks)
- (v) What are the key factors that have contributed to reduce unemployment rate in Sri Lanka in the recent years? (04 marks)
10. (i) "Sources of economic growth in Sri Lanka in recent years have been largely dominated by domestic non-tradable economic activities". Identify these activities. (05 marks)
- (ii) "The female labour force participation rate in Sri Lanka has remained stagnant at a relatively low level in recent decades." What are the reasons for the low rate of female participation in the labour force? (05 marks)
- (iii) Why has Sri Lanka's tax revenue to GDP ratio been falling in recent years? (05 marks)
- (iv) Identify the fundamental weaknesses in the Sri Lankan economy that have constrained the achievement of high growth rate in the medium and long term. (05 marks)

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