# CONSUMER BEHAVIOUR AND DEMAND

# STUDY-NOTES

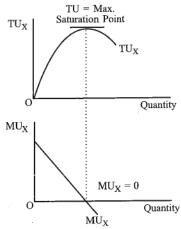
- Utility: It means realised satisfaction to a consumer when he is willing to spend money on a stock of commodity which has the capacity to satisfy his want.
- Total Utility (TU): It is the sum of all the utilities that a consumer derives from the consumption of a certain amount of a commodity.

 $TUn = MU1 + MU2 + \dots + MU_n$ 

 Marginal Utility (MU): It is addition made to the total utility as consumption is increased by one more unit of the commodity.

 $MUn = TUn - TU_{n-1}$ 

- Relationship between TU and MU Curves
  - (a) TU curve starts from the origin, increase at a decreasing rate, reaches a maximum and then starts falling.
  - (b) MU curve is the slope of the TU curve.
  - (c) When TU is maximum, MU is zero, it is called saturation point. (since slope of TU curve at that point is zero). Units of the good are consumed till the saturation point.
  - (d) As long as TU curve is concave, MU curve is downward sloping but remains above the x-axis.
  - (e) When TU curve is falling, MU curve becomes negative.
  - (f) The falling MU curve shows the law of diminishing marginal utility.



- Law of Diminishing Marginal Utility: The law states that as a consumer consumes more and more units of a commodity, marginal utility derived from each successive unit goes on diminishing. A stage comes when marginal utility becomes zero. At this point total utility becomes maximum. If the consumer consumes beyond this stage, marginal utility becomes negative and total utility falls.
- Consumer's Equilibrium:

Meaning: A consumer is said to be in equilibrium when he maximizes his satisfaction, given income and prices of the commodities.

Case I. One Commodity Case: Let us suppose that a consumer has a given income with which he consumes
only one commodity X. Since both his money income and commodity X have utility for him, he can either

spend his money income on commodity X or retain it with himself. If the consumer holds his income, the marginal utility of commodity (MUX) becomes greater than marginal utility of money income (MUM). In that case, total utility can be increased by exchanging money for good X.

Thus, a consumer is in equilibrium when he satisfies the following condition:

i.e., MU of the good = Price of the product or MUX = PX

Case II. Two Commodities Case—Law of Equi-Marginal Utility: Let us now analyse a two commodity case. We assume that a consumer consumes only two commodities X and Y and their prices are PX and PY respectively. In such a case, the law of DMU is extended to two goods which the consumer buys with his income. The condition required by a consumer to maximise his utility for two commodities X and Y is given as:

$$MU_X = P_X \qquad ...(1)$$

$$MU_Y = P_Y \qquad ...(2)$$
Divide equation (1) by (2), we get:
$$\frac{MU_X}{P_{2...}}$$

- This is called the law of equi-marginal utility. The law states that a consumer will so allocate his expenditure so that the utility gained from the last rupee spent on each commodity is equal.
- Consumer's Equilibrium with Indifference Curve Approach
- Indifference Curve: An indifference curve shows different combinations of two goods that yield the same level of utility or satisfaction to the consumer. An indifference curve is downward sloping convex to the origin.
- Properties or Features of Indifference Curve: There are three features of indifference curves as regards their shape. These are:
  - 1. Downward Sloping to the Right.
  - 2. Convex to the Origin..
  - 3. Two Curves do not Intersect each other.
  - 4. A higher indifference curve represents a higher level of satisfaction
- Budget Line or Income Line: A budget line is a line which shows all possible combinations of two goods that
  a consumer can buy with his given income and prices of the commodities. The equation of a budget line is:

$$PX.X + PY.Y = M$$

• Conditions of Consumer Equilibrium under Indifference Curve Approach: Two conditions that must be fulfilled by the consumer to be in equilibrium by indifference curve approach are:

$$MRS_{XY} = \frac{P_X}{P_Y}$$
...(1)
Diminishing MRS
...(2)

- The first equilibrium condition is necessary but it is not a sufficient condition.
- Diminishing MRS is the second equilibrium condition. It is known as stability conditions. It means, for a stable
  equilibrium, MRS must be continuously falling. This condition means that the indifference curve is strictly convex.
  At equilibrium,

[Slope of indifference curve] = [slope of budget line]

or 
$$MRS_{XY} = \frac{P_X}{P_Y}$$

- Quantity demanded refers to the particular quantity which buyers are willing and able to buy on a given price during a given period of time.
- Demand for a commodity is defined as the quantity of that commodity which a consumer is willing and able to buy at a particular price during a particular period of time.

## · Factors affecting individual demand for a good

There are following factors which affect demand for a commodity:

- Price of the Commodity: There is inverse relationship between price of a commodity and demand for a commodity.
- 2. Prices of Other Goods: Demand for good x is influenced by the prices of other good. It is called cross price demand.
- 3. Income of the Consumer: Changes in money of the consumer changes the budget constraint facing the consumer, causing him to change his demand for goods. It is called income demand.
- 4. Consumer's Tastes and Preferences: Any change in consumer's tastes causes demand to change. If there is a change in tastes in favour of a good, then it will lead to increase in demand and any unfavourable change will lead to decrease in demand.
- 5. Future Expectations of Buyers: Future expectation is also one of the factors which causes change in demand. If it is expected by the consumer that the price of the commodity will rise in future, he will start buying more units of the commodity in the present, at the existing price and vice versa.

Law of Demand: There is a definite inverse relationship between the price of the good and the quantity demanded of that good if other things remain constant. Symbolically,

DX = f(PX), ceteris paribus

where, DX = Quantity demanded of good X

PX = Price of the good X

#### Market Demand

An individual demand means quantity demanded of a good by an individual consumer at various prices per time period. Market Demand is the aggregate of the quantities demanded by all consumers in the market at different prices per time period.

The first five factors affecting individual and market demand are the same as mentioned earlier in the factors affecting Demand (Individual Demand)

- 6. Number of Consumers in the Market. More the consumers in the market, more will be the market demand for the commodities.
- Distribution of Income. More even the distribution of income in a country, more will be the market demand for the commodity.
- 8. Age and Sex Composition of Population. The age group and sex composition of the consumers decide the pattern of market demand.
- Price Elasticity of Demand: Price elasticity of demand measures the responsiveness of demand of a good to a change in its price.

change in its price.
$$E_{d} = -\frac{\text{percentage change in quantity demanded}}{\text{percentage change in price}}$$

$$E_{d} = -\frac{\frac{change \text{ in quantity demanded}}{original \text{ quantity demanded}}}{\frac{change \text{ in price}}{original \text{ price}}} = -\frac{\frac{(Q_{1} - Q) / Q}{(P_{1} - P) / P}}{\frac{(P_{1} - P) / P}{P}} = -\frac{\frac{\Delta Q}{Q}}{\frac{\Delta P}{P}} = -\frac{\Delta Q}{\Delta P} \cdot \frac{P}{Q}$$

where,

 $\Delta Q$ , = Change in quantity demanded (or  $Q_1 - Q$ )

Q = Qriginal quantity demanded

 $\Delta P = \text{Change in price (or } P_1 - P)$ 

 $E_d$  = Coefficient of elasticity of demand,  $e_D$  is negative. The ratio is a negative number because price and quantity demanded are inversely related. In numerical sums, the minus sign is dropped from the numbers and all percentage changes are treated as positive.

- Factors Affecting Price Elasticity of Demand: The factors which determine the price elasticity of demand for a commodity or service are:
  - 1. Availability of Close Substitute. A good having close substitutes will have an elastic demand and a good with no close substitutes will have an inelastic demand. Example: commodities such as pen, cold drink, car, etc. have close substitutes. When the price of these goods rise, the price of their substitutes remaining constant, there is proportionately greater fall in the quantity demanded of these goods. That is, their demand is elastic.
  - 2. Income of the Consumers. If the income level of consumers is high, the elasticity of demand is less. It is because change in the price will not affect the quantity demanded by a greater proportion. But in low income groups, the elasticity of demand is high.
  - 3. Luxuries versus Necessities. The price elasticity of demand is likely to be low for necessities and high for luxuries. A necessity is a good or service that the consumer must have such as food (bread, milk) and medicines. Luxuries are goods that are enjoyable but not essential.
  - 4. Proportion of Total Expenditure Spent on the Product. Higher the cost of the good relative to total income of the consumer, more will be the price elasticity of demand. If the price of bread, ink, salt, match box, etc., which is relatively low, doubles it would have almost no effect on the quantity demanded of them. On the other hand, if price of car doubles then the quantity demanded will fall by a greater proportion showing high price elasticity of demand.
  - 5. Number of Uses of the Commodity. The more the number of uses a commodity can be put to, the more elastic is the demand. If a commodity has few uses, it has an inelastic demand. Examples: goods like milk, eggs and electricity can be put to many different uses and hence, enjoy elastic demand, i.e., when prices are low, demand increases by a greater proportion as the goods can now be put to less important uses also.
  - 6. Time Period. If the time period needed to find substitutes of the commodity is more, the price elasticity of demand is more and vice versa. Example: flying by aeroplane has inelastic demand as no substitutes are available in the short run.

#### · Degrees of Elasticity

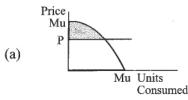
Coefficient Type of e <sub>D</sub>	Type of e <sub>D</sub>	Description	Type of Good	Shape of Demand Curve
1. $E_d = 0$	Perfectly inelastic demand	This occurs when to a percentage change in price there is no change in quantity demanded.	Essentials like life saving drugs	Vertical or Parallel to y-axis
$2. \ 0 < E_d < 1$	Inelastic	This occurs when to a percentage change in price there is less than proportionate change in quantity demanded	Necessities like food, fuel	Steeper
3. $E_d = 1$	Unitary elastic demand	This occurs when to a percentage change in price there is equal change in quantity demanded.	Normal goods	Linear demand curve forms 45° angel with both the axes or a rectagular hyperbola.
$4. 1 < E_{d} < \infty$	Elastic demand	This occurs when to a percentage change in price there is greater change in quantity demanded	Luxuries life eating in a 5-star hotel	Flatter
5. $E_d = \infty$	Perfectly elastic demand	This occurs when there is infinite change in quantity demanded without any change in price.	Imaginary situation (It exist under perfect competition)	Horizontal or Parallel to x-axis

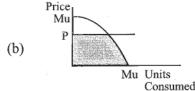
# QUESTION BANK

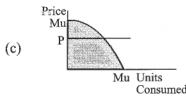
## MULTIPLE CHOICE QUESTIONS

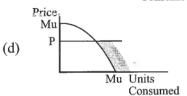
- 1. Total utility is maximum when:
  - (a) Marginal utility is zero.

- (b) Marginal utility is at its highest point.
- (c) Marginal utility is equal to average utility.
- (d) Average utility is maximum.
- 2. Which of the shaded area in the diagrams below represent total utility?









- 3. What does the area under the marginal utility curve depict?
  - (a) Average Utility
- (b) Total Utility
- (c) Indifference Curve
- (d) Consumer Equilibrium
- 4. Which one of the following is not an assumption of the theory of demand based on analysis of indifference curve?
  - (a) Given scale of preferences as between different combinations of two goods.
  - (b) Diminishing marginal rate of substitution.
  - (c) Constant marginal utility of money.
  - (d) Consumers would always prefer more of a particular piece of goods to less of it, other things remaining the same.
- 5. The consumer is in equilibrium at a point where the budget line \_
  - (a) Is above an indifference curve.

- (b) Is below an indifference curve.
- (c) Is tangent to an indifference curve.
- (d) Cuts an indifference curve.
- 6. An indifference curve slopes down towards right since more of one commodity and less of another result in -
  - (a) Same satisfaction.

(b) Greater satisfaction.

(c) Maximum satisfaction.

- (d) Decreasing expenditure.
- 7. The second glass of lemonade gives lesser satisfaction to a thirsty boy. This is a clear case of
  - (a) Law of demand

(b) Law of diminishing returns

(c) Law of diminishing utility

- (d) Law of supply
- 8. The consumer is in equilibrium when the following condition is satisfied:
  - (a) MUx MUy > Px Py
- (b) MUx MUy < Px Py (c) MUx MUy = Px Py
- (d) None of these
- 9. Which of the following options is a property of an indifference curve?
  - (a) It is convex to the origin.
  - (b) The marginal rate of substitution is constant as you move along an indifference curve.
  - (c) Marginal utility is constant as you move along an indifference curve.
  - (d) Total utility is the greatest where the 45 degrees line cuts the indifference curve.
- 10. When economists speak of the utility of a certain good, they are referring to
  - (a) The demand for the good.
  - (b) The usefulness of the good in consumption.
  - (c) The satisfaction gained from consuming the good.
  - (d) The rate at which consumers are willing to exchange one unit of good for another one.

11.	<ul> <li>(a) Right angled triangle formed by the budget line with the axes.</li> <li>(b) All points on the budget line.</li> <li>(c) Points inside the budget line.</li> <li>(d) Points on Y-axis from where budget line starts and the point on X-axis where line ends budget.</li> </ul>											
12.	If indifference curves is stra (a) MRS is increasing (c) MRS is constant	ight line downward slopin	ing, then (b) MRS is decreasing (d) MRS is zero									
13.	If X and Y are two common (a) X and Y are equally proceed (c) X is preferred to Y		shows (b) Y is preferred to X (d) None of these									
14.	If Marginal Rate of Substitution (a) Parallel to the x-axis (c) Downward sloping converse.		ut, the Indifference curve will be:  (b) Downward sloping concave  (d) Downward sloping straight line									
15.	1 /	tion is increasing through	hout, the Indifference curve will be:  (b) Downward sloping concave  (d) Upward sloping convex									
16.	Which of the can be referre (a) Marginal Utility is negative (c) Total Utility is rising		` /	<ul><li>(b) Marginal utility is zero</li><li>(d) Total Utility is falling</li></ul>								
17.	Demand includes: (a) Ability	(b) Desire	(c)	Willingness	(d) All the above							
18.	Slope of demand cure is: (a) Positive	(b) Negative	(c)	Both	(d) None of these							
19.	In case of Normal goods, D (a) a positive slope	emand curve shows:  (b) A negative slope	(c)	Zero slope	(d) None of these							
20.	Law of demand applies in c (a) Inferior Goods	ase of (b) Normal Goods	(c)	Giffen Goods	(d) None of these							
21.	Normal goods are those good (a) Positive	ds whose income effect is (b) Negative		Zero	(d) None							
22.	Which of the Following rep (a) Car & Petrol	resents Substituted Goods: (b) Pen & Pencil		Bread & Butter	(d) All of these							
23.	Which of the following is the (a) Bread & Butter	ne example of complemen (b) Pen & Pencil		goods: Computer & laptop	(d) T-shirt & Shirt							
24.	In case of Giffen goods, der (a) Negatively Sloping	mand curve is: (b) Positively Sloping	(c)	Zero sloping	(d) None of above							
25.	How the Quantity demanded (a) Directly	i and price of the product (b) Inversely		ted? Proportionately	(d) None of these							
26.	With the increase in income (a) Shift to right	of the consumer, the den (b) Shift to left		curve of the inferior god Becomes horizontal	od: (d) Becomes Vertical							
27.	Demand curve is upward sle (a) Normal Goods	oping in case of (b) Inferior goods	(c)	Giffen Goods	(d) None							
28.	Income Effect defines the re		(c)	Income and Demand	(d) None of above							

29.	Movement along the deman (a) Price of the substituted (c) Own price of the produ	goods	(b)	in: Price of the complement Factors other than price	-
30.	When the specific quantity (a) Demand (c) Shift in demand curve	is purchased at particular	(b)	then it is called: Quantity Demanded Movement along deman	nd curve
31.	Shift in demand curve happ (a) There is change in Pric (c) There is change in inco	e of the product		There is change in factor.  None of the above	ors other than price
32.	A demand curve which takes (a) Zero	the form of a horizontal li (b) Infinite	ne pa		illustrates elasticity which is: (d) <1
	The elasticity of demand for (a) The more of that comm (b) The more is buyer's de (c) The more availability of (d) All of the above	nodity is considered a necession and loyalty.  f substitutes.	essity		
34.	If the quantity demanded of a of demand is- (a) Zero	a commodity remains unch (b) Infinite		d as its price changes, th	e coefficient of price elasticity (d) <1
35.	If the percentage increase is price, the coefficient of price (a) Zero		odity (c)		han the percentage fall in its $(d) < 1$
36.	Elasticity of demand indicat (a) Changes in quantity der (c) Change in prices		` '	Rate of change in Quan Change in income	ntity demanded
37.	The price elasticity of dema (a) Income and demand	nd explains the relationsh (b) Price and demand		tween Utility and demand	(d) Price and utility
38.	From the following commod (a) Car			em.	(d) House
39.	Normally the shape of dema (a) Horizontal	and curve is: (b) Upward sloping	(c)	Downward sloping	(d) Vertical
	When the Elasticity is >1 th (a) Elastic Demand	(b) Inelastic Demand	` '	-	(d) None of the above
	demand is (a) Less than unity	(b) More than unity	(c)	Equal to unity	n price then price elasticity of  (d) None
42.	When the Percentage chang of demand is (a) More than unity	e in Quantity demanded i  (b) Equal to unity		al to percentage change  Less than unity	e in price then price elasticity  (d) None
43.	•	. , .	an pe		then the price elasticity of (d) None
44.	(a) more man analy	(-)	(-)		

45	<ul><li>Which of the following is/a</li><li>(a) Subjective in nature</li><li>(c) Both (a) and (b)</li></ul>	are the feature(s) of utility	(b)	Depend upon urgency None of the above	of wants
46.	Utility and usefulness are c (a) True	one and the same thing.  (b) False	(c)	Partially true	(d) Incomplete statement
47.	Utility is most closely relat (a) usefulness	ted to the term (b) satisfaction	(c)	necessity	(d) None of these
48.	Same commodity can give (a) True	different utility to differen (b) False	-	sons in the same situation.  Partially true	on. (d) Incomplete statement
49.	A commodity which is used (a) True	ful for a consumer must gi (b) False		tility. Partially true	(d) Incomplete statement
50.	Cardinal utility approach w (a) Prof. Alfred Marshall		(c)	Prof. Samuelson	(d) Prof. Gossen
		(b) MUM	` /	Utils	(d) None of these
52.	Utility analysis is criticized (a) cardinal number	for one of its assumption. (b) ordinal number		ording to this, utility ca Both (a) and (b)	n be expressed in terms of (d) None of these
53.	Law of diminishing margina (a) Prof. Alfred Marshall				(d) Prof. Gossen
54.	Law of diminishing margina (a) Fundamental law of con (c) Both (a) and (b)		(b)	First psychological law Neither (a) nor (b)	of consumption
55.	Law of DMU does not hold (a) True	true in the absence of its (b) False		mptions. Partially true	(d) Incomplete statement
56.	Which of the following is n (a) Cardinal measurement of (c) Different price for same	of utility	(b)	ninishing marginal utility No change in consumer All of the above	
57.	According to Law of DMU, (a) True	total utility is the slope o (b) False		rginal utility. Partially true	(d) Incomplete statement
58.	When marginal utility is zer (a) maximum (c) constant	o, total utility will be	(b)	maximum and constant	
59.	When total utility increases (a) increasing	at a diminishing rate, marg (b) diminishing	-	utility will be? constant	(d) diminishing but positive
1	Which of the following are (i) Continuous consumption (ii) Standard units of consumption (iii) Price of good and income (iv) Marginal utility of mone (v) Quality of goods should Choose from the options giv	mption ne of consumer should ren ey should remain constant remain the same			
	(a) (i), (ii) and (iv) (c) (iii), (iv) and (v)			(ii), (iii) and (iv) (i), (ii), (iii), (iv) and (v	)
61.	Law of DMU doesn't hold to (a) Money				(d) All of these

62	Marginal utility curve of a	consumer is also consider	ae h	ie						
02.	(a) indifference curve	(b) total utility curve		supply curve	(d) demand curve					
63.	If a commodity is available commodity case of cardinal (a) 5 units				be in equilibrium using one- (d) Can't be determined					
64.	Law of equi-marginal utility (a) Prof. Alfred Marshall	was given by (b) Prof. Gossen	(c)	Prof. Adam Smith	(d) None of the above					
65.	Law of equi-marginal utility (a) Law of consumption (c) Law of usefulness	is also known as	(b) Second law of consumption (d) All of the above							
66.	Law of equi-marginal utility (a) production of wealth (c) distribution of wealth	is a law of		consumption of wealth exchange of wealth						
67.	The law of equi-marginal ut (a) zero	ility considers price of mo (b) less than one	_	as more than one	(d) one					
68.	A consumer is in equilibrium (a) Consumer will consume (b) Consumer will consume (c) Consumer will consume (d) Consumer will consume	more of good X and less more of good Y and less more of both goods	s of	good Y	Py?					
69.	In two commodity equilibrium (a) One util is equal to one (c) Two utils are equal to o	unit of currency	to 2, which of the following situation it indicates?  (b) One util is equal to two units of currency  (d) None of the above							
70.	Demand curve slopes downward (a) diminishing marginal utility (c) utility maximisation			variable proportion  None of the above						
71.	Ordinal utility approach was (a) Prof. Alfred Marshall	given by(b) Prof. Hicks	(c)	Prof. Samuelson	(d) Prof. Gossen					
72.	Which of the following is the (a) M/Px	ne vertical intercept of bud (b) M/Py	_		(d) None of these					
73.	Budget constraint is a narrow (a) True	wer concept as compared to (b) False		•	(d) Incomplete statement					
74.	Given the budget line $2x + 3$ (a) $-5/2$	5y = 100, what will be its (b) $5/2$			(d) 2/5					
75.	Which of the following state (a) It is the situation of rest (b) There is only possible e (c) Consumer's preferences (d) All of the above	quilibrium at given point	of ti	me						
76.	At the point of equilibrium, (a) True	a consumer always reache (b) False		-	otal utility curve. (d) Incomplete statement					
77.	As per cardinal utility approa (a) Two				r's equilibrium. (d) N-number					

78.	If a consumer is in equilibrium consuming one commodal (a) Decrease consumption of the commodity (c) Consumption will remain constant	(b)	how will he respond to a function of the above	
79.	shows various combinations of two	o pro	ducts that give same am	ount of satisfaction.
	(a) ISO cost curve (b) Indifference curve	(c)	Marginal utility curve	(d) ISO quant
80.	An indifference curve is always drawn for(a) One (b) Two		commodities. Three	(d) N-number
81.	As per ordinal approach, utility is			(d) Neither (a) nor (b)
82.	An ideal shape of indifference curve is always  (a) Concave to the origin (b) Convex to the origin	(c)	L-shaped	(d) A vertical straight line
83.	The slope of indifference curve is called as  (a) Market rate of exchange  (c) Marginal rate of substitution	(b)	Marginal rate of transfo	rmation
84.	Indifference curves between income and leisure for an (a) Concave to the origin (c) Negatively sloped straight lines	(b)	ividual are generally Convex to the origin Positively sloped straigh	nt lines
85.	A consumer's total expenditure is restricted by (a) Budget constraint (b) Utility	(c)	Satisfaction	(d) All of these
86.	Indifference curve is convex to the origin due to (a) increasing marginal rate of substitution (c) increasing marginal rate of substitution		diminishing marginal ra	
87.	MRSYX is equal to which of the following equation?  (a) Change in X / Change in Y  (c) PX/PY	(b)	Change in Y / Change in None of the above	in X
	Which of the following are the properties of indiffere (i) Downward sloping (iii) Higher IC represents higher satisfaction (v) IC cannot touch either axis(vi)IC need not to be	(ii) (iv)	Convex to the origin Two IC cannot intersect	each other
	Choose from the options given below.  (a) (i), (ii), (iii), (iv) and (vi)  (c) (i), (iii), (iv) and (vi)		(i), (ii), (iii), (iv) and (v (i), (ii), (iii), (iv), (v) and	
89.	Intersection of two indifference curves gives same lev (a) True (b) False			(d) Incomplete statement
	Indifference curves are convex to the origin because  (a) Two goods are perfect substitutes  (c) Two goods are imperfect substitutes	, ,	Two goods are perfect of None of the above	complementary goods
91.	Indifference curve for complementary goods will be (a) Convex to the origin (b) Concave to the origin	(c)	L-shaped	(d) Straight line
92.	How will a consumer behave if Marginal Rate of Sub (a) Consume more of good X and less of good Y (b) Consume more of good Y and less of good X (c) Consume more of good X and same units of good (d) Consume more of good Y and same units of good	d Y	ion (MRS) > Marginal F	Rate of Exchange (MRE)?

93.	An indifference curve which (a) convex to the origin	is drawn by taking econ (b) concave to the origin			h axis, will be (d) straight line			
94.	Budget line can change due (a) change in income (c) change in price of both		<ul><li>(b) change in price of either good X or good Y</li><li>(d) All of the above</li></ul>					
95.	What will be the impact of (a) Shifts to the right	change in income on the (b) Shifts to the left		get line? Either (a) or (b)	(d) Neither (a) nor (b)			
96.	What will be the impact of (a) Rise	fall in price of good X or (b) Fall		slope of budget line? Remain constant	(d) Not defined			
	What will be the impact of (a) Rotate inward from vert (c) Rotate inward from hor	ical axis izontal axis	(b)	budget line? Rotate outward from vo Rotate outward from he				
98.	A set of indifference curve i (a) Indifference map		(c)	Indifference curve	(d) None of these			
99.	A consumer is in equilibrium (a) Consumer will consume (b) Consumer will consume (c) Consumer will consume (d) Consumer will consume	more of good X and less more of good Y and less more of both goods	s of	good Y				
100.	For a consumer, MRS <sub>XY</sub> = 4 (a) Consumer is in equilibration (b) Consumer will consumer (c) Consumer will consumer (d) None of the above	num more of good X and less	s of	good Y	s situation?			
101.	Consumer's equilibrium refe (a) True	rs to the state where a co (b) False		ner reaches maximum po Partially true	oint of total utility.  (d) Incomplete statement			
102.	of other commodity or more	units of both commoditie	es.		commodity with no less units (d) Incomplete statement			
103.	<ul><li>(a) True</li><li>A consumer is in equilibrium</li><li>(a) marginal utilities of diff</li><li>(c) Both (a) and (b)</li></ul>		vhen (b)	Partially true slope of MRS is equal None of (a) and (b)				
104.	At equilibrium, the slope of (a) equal to the slope of bu (c) smaller than the slope of	dget line	` '	greater than the slope of None of the above	of budget line			
105.	At the point of equilibrium, (a) concave	the shape of indifference (b) convex		re must bestraight line	(d) Any of these			
106.	Write the correct sequence of Column I  (a) Exceptions to law of direction of the Column I  (b) Prof. Gossen  (c) Prof. Allen and Hicks  (a) (i) (ii) (iii)	minishing marginal utility	(i) (ii) (iii)	Column II	ysis			

# INPUT TEXT BASED MCQs

Read the following passage and write answers of	0	O1	107	7-(	)1	1	0	
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Ravi has fallen on hard times due to lockdown. His income per week is ₹400, spending ₹200 on food and ₹200 on all other goods. However, he is also receiving a social allowance in the form of ₹10 food stamps per week from government. The

coup	ons can be exchanged for ₹10	worth of food, and he only	y has	to pay ₹5 for such cou	pons.
107.	What will be the equation o  (a) Price (food) + Price (no  (c) Price (food) + Price (no	on-food) = 200	(b)	od items (without food Price (food) + Price (r Price (food) + Price (r	non-food) = 400
108.	What will be the equation o  (a) Price (food) + Price (no  (c) Price (food) + Price (no	pn-food) = 210	(b)	od items (with food cou Price (food) + Price (r Price (food) + Price (r	non-food) = 410
109.	Preferences are considered a  (a) equal units of goods are  (c) more units of the goods	more preferred	(b)	less units of goods are	more preferred
	If Ravi is to be at equilibriu (a) MRS = 2 If the following passage and	(b) $MRS = 4$	(c)	14.	(d) Can't be determined
want best or no of go	s. Keeping in mind the said of interest. However, on certain eds, i.e. influenced by certain	definition, every individual occassions, we can observe external factors/component option. Also, under such component of the control of the c	l conve the	sumer is a rational con at people buys goods o In such situations, utilit determining optimum	vice for satisfaction of his/her sumer and understands his/her r services without their choice y is derived by mere purchase level of consumption becomes
111.	Rationality of a consumer de (a) Consumer's taste and pro (c) Based upon the habit of	eferences	(b)	owing factors? Utility from consumpti All of the above	on of a good
112.	Which of the following state (a) Utility is the want satisfy (b) Utility depends upon way (c) Same good may give difty (d) All of the above	ying power of a commodint and choice	ity	ions	
113.	In the above case, utility sho (a) qualitative			in nature. Both (a) and (b)	(d) Neither (a) nor (b)
	When a consumer buys good (a) static/constant the following passage and v	(b) dynamic	(c)		s(d) stable
or ser	tion and the economic agent was rvice, his/her main objective is	who buys goods and services to get maximum satisfaten market price. The way	ces is ction a co	called a consumer. Wh from the quantity of t nsumer maximises his/l	to satisfy wants is called con- en a consumer buys any good he commodities purchased by her satisfaction from spending iour.
115.	Consumer's behaviour is the (a) Consumer's equilibrium			ng? Both (a) and (b)	(d) Neither (a) nor (b)
116.	All goods that consumer cons (a) True			Partially true	(d) Incomplete statement

(d) Incomplete statement

117.				evels in		ses, th	_		m co	ndition (c) un					(d) No	ne of	f these		
118				_		` '			eanilil	brium cond					` '				
110.		ardina			- 10 S	(b) C			quiii	(c) Bo			(b)		(d) Ne	ither	(a) no	r (b)	
When is to so f who consults of go Consiknow 1 and chase Marg	the for consumaximuch are imer's on to toods an ider the street 2. The inal utility is too in the inal utility in the inal utility in the inal utility is the formula in the inal utility	ollowin imers ise tote the co- effort the cord d serve e simp orices e cons- actual ility of	make tal ut to make to	choice choice ility. In mer's it aximis er's price is reference of a cods 1 will partities products.	es ab n man ncon se tot cobler erred cons and burch	out the ximising and tall utility, while to as a sumer values and last quased o	e quantity quantity such endouble who consultate and antition of the consultate and the c	ntity of al utili- prices of ubject in atails de amer ec- cares al fixed es of g	f goo ty, the of the to the ecision quilib bout of incorresponds are d	9–Q122 ds and serve consumer goods and ese constraints about herium. consuming the or budge 1 and 2 so determined utility of g	r faces service ints, is now m only to et that o as to by the	es a nucles the reference to the referen	at the arred to the corred to	of coconsumer of as the sume good ed to cocon co	onstrainmer whe corer will and purchaust the	nts, the vishes asume cons good ase que bucker equ	te mos to cor er's pro- ume o 2. Thi uantitie liget fo ilibrium	t imponsume.  soblem.  f a num  s consums of g  r such  m, which	The The mber umer oods purch is
	rice of	-			•								*						
119.	(a) fi		ychol	ogical	_	of con	_		ie cas	se study is (b) sed (d) Ne	cond p	sych	ologic	al lav	v of co	onsun	nption		
120.	_	iven la ardina			study			under ıl utilit		h of the fo					(d) Ne	ither	(a) no	r (b)	
121.		onsum tility a			to ma					oject to the em (c) Bo							these		
122.	(a) ex	xhaust	his e	entire i			ation	of bo	th go	ods in a su (b) sa	ve a p	art o	f his ii	ncom	e				
	(c) E	ither (	a) or	(p)						(d) No	one or	uics							
Multi	iple Cl	noice (	Duest	ions					AN	SWERS									
	. (a)		(c)		(b)	4.	(c)	5.	(c)	<b>6.</b> (a)	7.	(c)	8.	(a)	9.	(a)	10.	(c)	
	. (a)		(c)		(a)		(d)		(b)	16. (b)	17.			(b)	19.	(b)	20.	(b)	
	. (a)		(b)		(a)		(b)		(b)	<b>26.</b> (a)	27.	(c)	28.	(c)	29.	(c)	30.	(b)	
	. (b)		(b)	33.	(c)	34.	(a)	35.	(d)	<b>36.</b> (b)	37.	(b)	38.	(d)	39.	(c)	40.	(a)	
	. (a)	42.	(b)	43.	(a)	44.	(a)	45.	(c)	<b>46.</b> (b)	47.	(b)	48.	(a)	49.	(a)	50.	(a)	
	. (c)	52.	(a)	53.	(d)	54.	(c)	55.	(a)	<b>56.</b> (c)	57.	(b)	58.	(b)	59.	(d)	60.	(d)	
	. (d)	62.	(d)	63.	(c)	64.	(b)	65.	(b)	<b>66.</b> (b)	67.	(d)	68.	(b)	69.	(c)	70.	(a)	
	. (b)		(b)	73.	(b)	74.	(c)	75.	(d)	<b>76.</b> (b)	77.	(a)	78.	(b)	79.	(b)	80.	(b)	
	. (a)		(b)		(c)		(d)		(a)	<b>86.</b> (b)	87.	(a)	88.	(d)	89.	(c)	90.	(c)	
	. (c)		(a)		(b)		(d)	95.		<b>96.</b> (b)	97.			(a)		(b)	100.	(c)	
	. (c)			103.		104.				<b>106.</b> (b)									
	Text 1		. ,																
•	. (b)	108.		109.	(c)	110.	(d)	111.	(b)	112. (d)	113.	(c)	114.	(c)	115.	(c)	116.	(b)	
	(b)	118.		119.		120.				122. (a)									
					-														