

## Conditional Probability

- Two integers are selected at random from integers 1 to 11. If the sum is even, find the Probability that both the numbers are odd. Ans:  $\frac{3}{5}$
- A die is thrown 3 times, if the first throw is a four, find the chance of getting 15 as the <sup>sum</sup> Ans:  $\frac{1}{18}$
- If A & B are 2 events such that  $P(A) = \frac{1}{2}$ ,  $P(B) = \frac{1}{3}$  and  $P(A \cap B) = \frac{1}{4}$ , then find  
 i)  $P(A/B)$ , ii)  $P(B/A)$  iii)  $P(A'/B)$  iv)  $P(A'/B')$
- A couple has 2 children. Find the Probability that both the children are (i) males, if it is known that at least one of the children is male ii) females, if it is known that the elder child is a female. Ans (i)  $\frac{1}{3}$  (ii)  $\frac{1}{2}$
- A Committee of 4 students is selected at random from a group consisting of 8 boys & 4 girls. Given that there is at least one girl in the Committee, calculate the Probability that there are exactly 2 girls in the Committee. Ans:  $\frac{1}{3}$

CLASS –XII HOME-WORK ENGLISH

13.11.17

GOING PLACES

Answer the following questions:

1. Compare and contrast the character sketch of Sophie and Jansie.
2. Why was Sophie always taking herself to the world of dreams and imagination.
3. How did her brothers respond to her imaginative world?
4. What is the theme of the story and is the title apt ? Justify
5. What were her thoughts when Danny Casey did not turn up to the canal and she was left to her own thoughts?

# HOMEWORK ASSIGNMENT FOR CHEMISTRY

CLASS:12<sup>TH</sup>

TOPIC:BIOMOLECULES

Carbohydrates-classification

Proteins: 1.alpha amino acids

2.essentials and non essentials amino

Acids

3.structure of alpha amino acids

4.peptides and peptides bonds;poly

Peptides

5.classifications of proteins

6.structures of proteins

7.denaturation of proteins

8.enzymes

9.vitamins and its classification

10.nucleic acids ;DNA and RNA

HOME-WORK XII C 13.11.2017 SUB: ACCOUNTANCY

Q. 1 Following is the Balance Sheets of Akash Ltd. as at 31-3-2014:

**Akash Ltd. Balance Sheet**

	<b>PARTICULARS</b>	<b>Note No.</b>	<b>2013-14</b>	<b>2012-13</b>
<b>I.</b>	<b>EQUITY &amp; LIABILITIES</b>			
	<b>(1) Shareholders' Funds</b>			
	(a) Share Capital	1	15,00,000	14,00,000
	(b) Reserves & Surplus		2,50,000	1,10,000
	<b>(2) Non - Current Liabilities</b>			
	(a) Long Term Borrowings		2,00,000	1,25,000

	<b>(3) Current Liabilities</b>	2		
	(a) Short term borrowings		12,000	10,000
	(b) Trade Payables	3	15,000	83,000
	(c) Short term provisions		18,000	11,000
<b>II</b>	<b>TOTAL</b>		<b>19,95,000</b>	<b>17,39,000</b>
	<b>(1) Non - Current Assets</b>			
	(a) Fixed Assets			
	(i) Tangible assets	4	18,60,000	16,10,000
	(ii) Intangible assets	5	50,000	30,000
	<b>(2) Current Assets</b>			
	(a) Current Investments		8,000	5,000
	(b) Inventories		37,000	59,000
	(c) Trade Receivables		26,000	23,000
	(d) Cash & Cash Equivalent		14,000	12,000
	<b>TOTAL</b>		<b>19,95,000</b>	<b>17,39,000</b>

## HOME-WORK XII C BUSINESS STUDIES (13.11.2017)

1. There are three important decisions which an organisation has to take in respect of financial management. Enumerate and explain in brief these three decisions.
2. Explain the meaning and nature of financial management.
3. What is meant by Capital structure?
4. What are the factors affecting Investment decisions ?
5. Explain any three factors which affect the 'Dividend decision' of a company?
6. Explain the functions of SEBI.
7. Explain the functions of Stock Exchange .
8. Explain the functions of Marketing.
9. Briefly explain the features and advantages of Branding.

# XII C ECONOMICS

13.11.17

## RAIN HOLIDAY - HOME WORK

### DETERMINATION OF INCOME AND EMPLOYMENT Aggregate Demand and related concepts

1. What is meant by aggregate demand? Explain the various components of aggregate demand.
2. What is meant by propensity to consume? Discuss the two types of propensities to consume.
3. Give the meaning of propensity to save. Discuss the two types of propensities to save.
4. Explain, in brief, the concept of ex-ante and ex-post savings and investments.
5. Distinguish between average propensity to save and marginal propensity to save. The value of which of these two can be negative and when?
6. Distinguish between average propensity to consume and marginal propensity to consume. The value of which of these two can be greater than one and when?
7. Give the meaning of: (i) involuntary unemployment; (ii) full employment.

### Income Determination and Multiplier

1. Explain the determination of equilibrium (i) aggregate demand and aggregate supply approach; (ii) saving and investment approach.
2. Explain the determination of equilibrium output under fixed price model.
3. Can an economy be in a state of under employment equilibrium? Explain with the help of a diagram.
4. Discuss the state of full employment equilibrium with the help of a diagram.
5. What is meant by multiplier? What can be its minimum value and why?
6. Discuss the working of investment multiplier with the help of a numerical example.
7. Explain the relationship between MPC and multiplier with the help of an example.

### Excess Demand and Deficient Demand

1. Explain the concepts of excess demand and inflationary gap with the help of a diagram.
2. Discuss the concepts of deficient demand and deflationary gap with the help of a diagram.
3. What is fiscal policy? Explain the various fiscal measures to control the situation of excess demand / deficient demand.
4. How does monetary policy help in controlling the situation of excess demand / deficient demand in an economy?
5. Explain the role of bank rate and open market operations in controlling the situation of excess demand / deficient demand.
6. What are margin requirements? How does a change in margin requirements control the situation of excess demand and deficient demand?

Let's go to school again

KV IIT CHENNAI  
BIOLOGY

<b>DATE</b>	<b>CHAPTE R</b>	<b>CONCEPTS/QUESTIONS</b>	<b>EVALUATION/ REMARKS</b>
<b>11.11.20 17</b>	<b>13,14</b>	<b>Diagrams ,flow charts, graphs UNIT 10</b>	<b>*Make flow charts for processes. *Study diagrams by linking with the concept and read the note given below each of the diagrams * Draw graphs given in the text</b>
<b>12.11.20 17</b>	<b>11,12</b>	<b>Diagrams ,flow charts,graphs UNIT 9</b>	
<b>13.11.20 17</b>	<b>1,2</b>	<b>Diagrams ,flow charts,graphs UNIT 6</b>	
<b>14.11.20 17</b>	<b>3,4</b>	<b>Diagrams ,flow charts,graphs UNIT 6</b>	
<b>15.11.20 17</b>	<b>5,6</b>	<b>Diagrams ,flow charts,graphs UNIT 7</b>	
<b>16.11.20 17</b>	<b>6,7</b>	<b>Diagrams ,flow charts,graphs UNIT 7</b>	
<b>18.11.20 17</b>	<b>8,9,10</b>	<b>Diagrams ,flow charts,graphs UNIT 8</b>	
<b>19.11.20 17</b>	<b>15,16</b>	<b>Diagrams ,flow charts,graphs UNIT 10</b>	

\*Students please follow the schedule to avoid accumulation towards the end .

Attempt the revision seriously