



## AL AIN JUNIORS SCHOOL

		<p>The Mean of Geometric distribution</p> <p>Modelling with Geometric distribution</p>	<p>conditions were necessary for a random variable to have a Geometric distribution.</p> <p>Be able to calculate probabilities for a geometric distribution</p> <p>To be able to use the formula <math>E(X) = 1/p</math></p> <p>Recognise practical situations where Geometric distribution is a suitable model.</p>	<p>Ex:8.3-2,4</p>
Biology	Ls.11. Immunity	<p>A) Cells of immune system</p> <p>B) Self and non self recognition</p> <p>C) Specific and non specific responses</p>	<p>outline how and where white blood cells originate</p> <p>explain how the immune system distinguishes between the body's own cells (self) and anything foreign, such as pathogens and transplanted tissues (non-self)</p> <p>describe how phagocytes and lymphocytes respond during an infection</p>	<p>Make a flow chart diagram of 3 line of defense mechanisms of the body's responses.</p>
Chemistry	Organic chemistry	<p>Interconversion of organic functional groups</p>	<p>Convert the given organic functional group into another using necessary</p>	<p>Past paper questions on Organic walks</p>



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			reagents and conditions	
Physics	Electricity Atomic physics	Electric field Electric field Intensity Atoms, nuclei and radiation Fundamental particles	<p>c) describe the effect of a uniform electric field on the motion of charged particles</p> <p>a) appreciate that protons and neutrons are not fundamental particles since they consist of quarks</p> <p>b) describe a simple quark model of hadrons in terms of up, down and strange quarks and their respective antiquarks</p> <p>c) describe protons and neutrons in terms of a simple quark model</p> <p>d) appreciate that there is a weak interaction between quarks, giving rise to <math>\beta</math> decay</p> <p>e) describe <math>\beta^-</math> and <math>\beta^+</math> decay in terms of a simple quark model</p> <p>f) appreciate that electrons and neutrinos are leptons</p>	Past paper qn from 2010-2016
IT	Database and file concepts	Normalisation to third normal form (3NF)	Describe the characteristics of data in unnormalised form	9626/PAPER2/NOV 2018



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			<p>(0NF), first normal form (1NF), second normal form (2NF) and third normal form (3NF).          Discuss the advantages and disadvantages of normalisation.          Normalise a database to 3NF.</p>	
Business Studies	2015 /MJ 22	direct cost , equity , break even, portfolio analysis in planning for future programmes, different stakeholders	To prepare studens for upcoming CAIE, practice with time and space factor.	2015/MJ-12
Economics	The price system and the micro economy	Elasticity of demand Elasticity of supply Factors affecting the elasticity of demand and supply	To revise the topic taught in the class	Topical based questions Worksheet
Accounting	Profit volume chart	Preparation of PV chart	To create a profit volume chart to mark the profit /loss	M/J 2017 Topical questions

Class Teacher: \_\_\_\_\_