


A.D.M.COLLEGE FOR WOMEN (AUTONOMOUS) NAGAPATTINAM

E-CONTENT REPORT JUNE 2023 – MAY 2024

DEPARTMENT OF HISTORY



MAGNA CARTA - EVOLUTION






- On 15th June 1215, granted Magna Carta to the English Barons.
- The privileges of the English Barons could not be encroached or violated. • The King was bound to honour and in case he fails to honour, the remedial measures of protecting the rights were also enshrined.
- King, Johnson Henry III during 1216 - 17 placed the Magna Carta in the Parliament.
- The Parliament accorded approval in the year 1297.
- It was elaborated in 1297 by Edward I during his regime.
- Thus the Magna Carta assertively put forth the principle that the Power of the Crown was not absolute.



HISTORICAL BACKGROUND OF HUMAN RIGHTS

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- The population of France rose from about 23 million in 1715 to 28 million in 1789.
- This increased the demand for the food grains. However, production could not keep pace the demand ,which ultimately increased the prices of the food grains.
- Most of the workers worked as labourers in the workshops and they didn't see increase in their wages.
- Situation became worse because of draught which reduced the harvest.
- This led to the scarcity of food grains or subsistence which started occurring frequently during old



FRENCH REVOLUTION

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World Health Organization (WHO)






- Established on 27, December 1945 with its headquarters at Geneva.
- Its aims to highest attainable possible levels of health for all people.



UNO

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DEPARTMENT OF COMMERCE



PRODUCT LIFE CYCLE AND NEW PRODUCT DEVELOPMENT

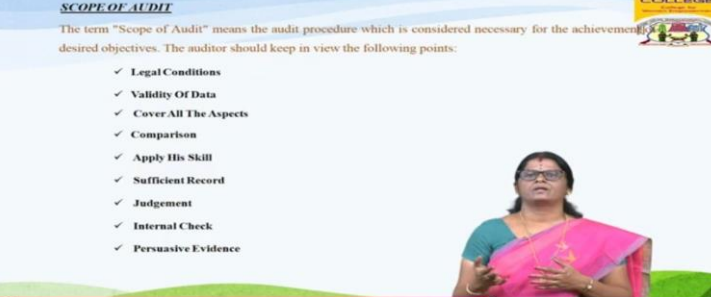
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SCOPE OF AUDIT

The term "Scope of Audit" means the audit procedure which is considered necessary for the achievement of desired objectives. The auditor should keep in view the following points:

- ✓ Legal Conditions
- ✓ Validity Of Data
- ✓ Cover All The Aspects
- ✓ Comparison
- ✓ Apply His Skill
- ✓ Sufficient Record
- ✓ Judgement
- ✓ Internal Check
- ✓ Persuasive Evidence

AUDITING

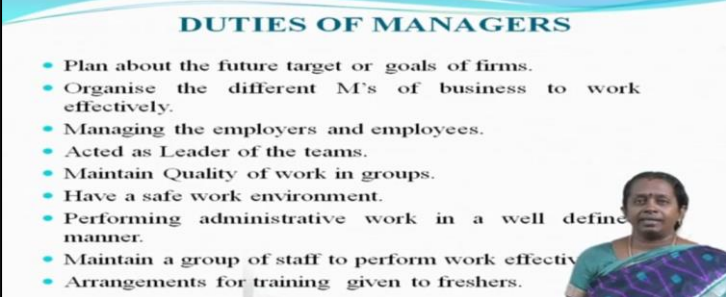
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DUTIES OF MANAGERS

- Plan about the future target or goals of firms.
- Organise the different M's of business to work effectively.
- Managing the employers and employees.
- Acted as Leader of the teams.
- Maintain Quality of work in groups.
- Have a safe work environment.
- Performing administrative work in a well defined manner.
- Maintain a group of staff to perform work effectively.
- Arrangements for training given to freshers.

PRINCIPLES OF MANAGEMENT

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DEPARTMENT OF ZOOLOGY

The omega-3 alpha-linoleic acid and the omega-6 linoleic acid are essential fatty acids needed to synthesize some membrane phospholipids. Many people take supplements to ensure they are obtaining all the essential fatty acids they need. Sea buckthorn contains many of these fatty acids and is also high in vitamins. Sea buckthorn can be used to treat acne and promote weight loss and wound healing.



TYPES OF NUTRITION & ITS IMPORTANCE

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Vertebrates comprise such groups as the following:
jawless fish, which include hagfish and lampreys
Jawed vertebrates, which include: cartilaginous fish (sharks, rays, and rattfish)
Bony vertebrates, which include: ray-fishes (the majority of living bony fish)
Lobe-fins, which include: Coelocanths and lungfish tetrapods (limbed vertebrates)



ORIGIN AND CLASSIFICATION OF VERTEBRATE

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fossil

- A fossil is any preserved remains, impression, or trace of any once-living thing from a past geological age.
- Examples include bones, shells, exoskeletons, stone imprints of animals or microbes, objects preserved in amber, hair, petrified wood and DNA remains.
- The totality of fossils is known as the fossil record

EVOLUTION

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 [Climate change](#)  
United Nations • Climate change refers to long-term shifts in temperatures and weather patterns. Human activities have been the main driver of climate change, primarily due to the burning of fossil fuels like coal, oil and gas.

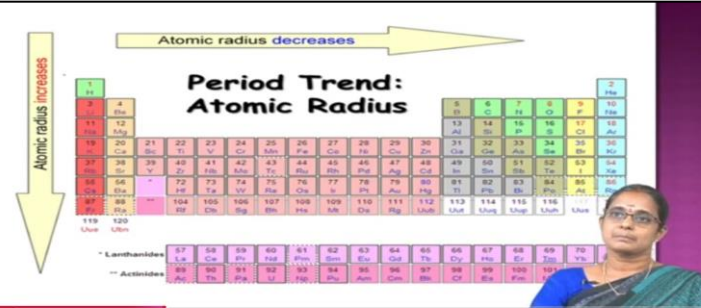
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DEPARTMENT OF CHEMISTRY



Period Trend: Atomic Radius


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TYPES OF DRUGS

1. Analgesics
2. Anti bacterial
3. Anti inflammatory
4. Antipyretic
5. Anti biotic
6. Anti tubercular

CHEMOTHERAPHY


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Uses of Lanthanides

- > Metallurgical applications
- > Ceramic applications
- > Catalytic applications
- > Electronic applications
- > Nuclear applications

F - BLOCK ELEMENTS

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DEPARTMENT OF PHYSICS



VISCOSITY

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SUPERCONDUCTIVITY MATERIALS

- Every different material will turn into a superconductor at a little diverse temperature
- Most of these materials is that they will super conduct in a few degrees of complete zero.
- The power plant that obtains electricity to your home in downward then superconducting wires will noise brilliantly.



SUPERCONDUCTOR

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- The INSAT system has truly changed the landscape of television in India and has made it possible for everyone to enjoy this wonderful medium.
- The INSAT system was first launched in 1982 and since then, it has undergone many changes. The most recent update was in 2016 when the 11th satellite was launched. As of now, the INSAT system consists of 11 operational satellites that are spread across geostationary orbit.



SATELLITE COMMUNICATION

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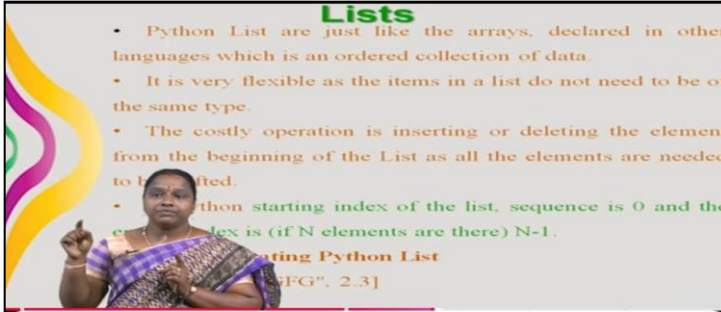
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DEPARTMENT OF COMPUTER SCIENCE












Lists

- Python Lists are just like the arrays, declared in other languages which is an ordered collection of data.
- It is very flexible as the items in a list do not need to be of the same type.
- The costly operation is inserting or deleting the element from the beginning of the List as all the elements are needed to be shifted.
- Python starting index of the list, sequence is 0 and the last element index is (if N elements are there) N-1.

DATA SCIENCE USING PYTHON

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TYPES OF SOFTWARE TESTING

- Unit Testing
- Integration Testing
- System Testing
- Functional Testing
- Acceptance Testing
- Smoke Testing
- Regression Testing
- Performance Testing
- Security Testing
- User Acceptance Testing

SOFTWARE CODING

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Java Script Statements

1. Semicolons
2. Code Blocks
3. White Space
4. Line Length and Line Breaks
5. Keywords
6. Function
7. Return
8. Var; Let, Const
9. Switch

JAVA SCRIPT

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DEPARTMENT OF ENGLISH

Literary Forms

- History of Poetry
- Nature of Poetry
- Elements of Poetry
- Poetry and F

Poetry

LITERARY FORMS MODULE - I
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Characters

- ▶ Matilda - A beautiful woman who married Loisel
- ▶ Monsieur Loisel - Husband of Matilda. He worked in the Department of Education.
- ▶ Madame Forestier - A rich lady, friend of Matilda

THE DIAMOND NECKLACE
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ONE-ACT PLAY

- ▶ One-Act plays were written and staged throughout the 18th and 19th centuries as "The curtain Raisers" or "The After Pieces".

Chief Characteristics of One act Play

- ▶ One-act play is a play that has only one act, but may consist of one or more scenes.
- ▶ One-act plays are usually written in a concise manner.
- ▶ It deals with a single dominant.

Situation & aims at Producing a single effect

- ▶ It deals with only one theme developed through one situation to one climax in order to produce the maximum of effect.
- ▶ It treats the problems of everyday life as marriage, punishment for crimes, labour conditions, divorce, etc.

THE RISING OF THE MOON
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DEPARTMENT OF MATHEMATICS



Introduction






<p>Classical set theory</p> <ul style="list-style-type: none"> • Classes of objects with sharp boundaries. • A classical set is defined by crisp(exact) boundaries, i.e., there is no uncertainty about the location of the set boundaries. • Widely used in digital system design 	<p>Fuzzy set theory</p> <ul style="list-style-type: none"> • Classes of objects with un- sharp boundaries. • A fuzzy set is defined by its ambiguous boundaries, i.e., there exists uncertainty about the location of the set boundaries. • Used in fuzzy controllers.
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INTRODUCTION TO FUZZY MATHEMATICS

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Laplace transform of derivative of order n

If $L[f(t)] = F(s)$, then

$$L[f^n(t)] = s^n[Lf(t)] - s^{n-1}f(0) - s^{n-2}f'(0) - \dots - f^{n-1}(0)$$


Proof:

Now, $L[f'(t)] = s[Lf(t)] - f(0)$ (1)

$$L[f''(t)] = L[(f'(t))'] = s[L(f'(t))] - f'(0) = s^2[Lf(t)] - sf(0) - f'(0)$$



Similarly, $L[f'''(t)] = s^3[Lf(t)] - s^2f(0) - sf'(0) - f''(0)$






In general, $L[f^n(t)] = s^n[Lf(t)] - s^{n-1}f(0) - s^{n-2}f'(0) - \dots - f^{n-1}(0)$.




LAPLACE TRANSFORM

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Example 2. For the cone with vertex at the origin and semi-vertical angle α and the axis of the cone as z-axis is

$$\mathbf{r} = (u \cos v, u \sin v, u \cot \alpha)$$


Now let us find the fundamental coefficients

$$\mathbf{r}_1 = (\cos v, \sin v, \cot \alpha), \mathbf{r}_2 = (-u \sin v, u \cos v, 0)$$

$$E = \mathbf{r}_1 \cdot \mathbf{r}_1 = 1 + \cot^2 \alpha = \operatorname{cosec}^2 \alpha$$



$$F = \mathbf{r}_1 \cdot \mathbf{r}_2 = 0$$






$$G = \mathbf{r}_2 \cdot \mathbf{r}_2 = u^2(\sin^2 v + \cos^2 v) = u^2$$


$$G - F^2 = u^2 \operatorname{cosec}^2 \alpha \text{ so that } H = u \operatorname{cosec} \alpha$$


DIRECTION COEFFICIENTS ON A SURFACE

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DEPARTMENT OF ECONOMICS

The Trade Unions Act, 1926:-

- The Payment of Wages Act 1936
- Industrial Disputes Act 1947:-
- Minimum Wages Act, 1948
- Maternity Benefits Act, 1961:-
- Sexual Harassment of Women employees Workplace Act, 2013:-

LABOUR LAWS
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In addition to a lack of money, poverty is about not being able to participate in recreational activities; not being able to send children on a day trip with their schoolmates or to a birthday party; not being able to pay for medications for an illness. These are all costs of being poor.

POVERTY
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




2.Capital Formation:

Capital formation is the main key to economic growth. Capital formation refers to the net addition to the existing stock of capital goods which are either tangible like plants and machinery or intangible like health, education and research. Capital formation helps to increase productivity of labour and thereby production and income. It facilitates adoption of advanced techniques of production, leads to better utilization of natural resources, industrial expansion and expansion of markets which are essential for economic progress.

- 3. Size of the Market: Large size of the market would stimulate production, increase employment, increase National per capita income. That is why all countries expand their market to other countries through WTO.

ECONOMICS OF DEVELOPMENT
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DEPARTMENT OF BBA



▶ **Customer Relationship Management (CRM):** Maintaining strong relationships with customers is crucial for long-term success. Marketing management includes CRM strategies to nurture and retain loyal customers, leading to repeat business and referrals.







▶ **Data-Driven Decision-Making:** In today's data-rich environment, marketing management relies heavily on data analysis. This data-driven approach helps in making informed decisions, optimizing marketing campaigns, and measuring the return on investment (ROI).



INTRODUCTION TO MARKETING

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DEPARTMENT OF GEOLOGY



❖ **Study of paleoecology:** The study of ancient organisms in relation to their total physical, chemical and biological environment.







❖ Use of fossils in the discovery of new deposits of coal and petroleum. Important coal deposits are normally associated with sedimentary bed containing plant fossils deposited in lake basin during the upper Paleozoic in India south America south Africa Madagascar Australia.



FOSSILS AND ITS TYPES

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DEPARTMENT OF B.VOC (MARINE)



VITAMIN K







- ❖ Vitamin K is naturally produced by the bacteria in the intestines, and plays an essential role in normal blood clotting, promoting bone health, and helping to produce proteins for blood, bones, and kidneys.
- ❖ There are two major forms of vitamin K that exist in nature: phylloquinone and menaquinone.
- ❖ It is unstable to light, alkali, strong acid and reducing agents.
- ❖ The vitamin K composition in foods is commonly expressed in microgram of vitamin K.



BIOCHEMICAL COMPOSITION OF FISH

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