Introduction to Industrial Management Assignment-Units Name: Ayan Chowdhury. Registration Number: 1810 10 1100 15 Roll Number: 1810110 4011 Mobile Number: 8777 468178 Date & Submission: 04-02-21 Define System and Explain-the System Analysis with Neat sketch. this system. A system may be deflued as a collection of interacting elements that operate to achieve a predetermined objective. In simple trons, a system may be visualised as a processing unit which receives certain input in the form of energy matter, information etc and is urged to act upon them in some desirable tashion to produce outpits

blood circulation, eating etc.

in the form of product, service et with a purpose

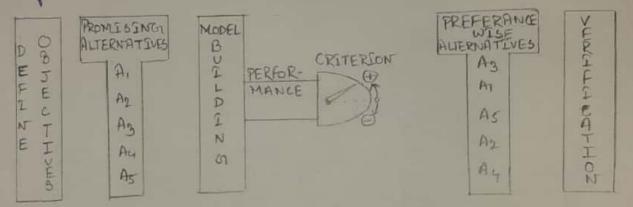
to optimize some function of input and output.

system with various sub-systems like nervous

Example. A human body is a

Introduction. System analysis involves the study of each part of the system, both as an individual and in relation to the whole in order to design, moderly or improve the system

Procedure. System analysis avolves a continuais ayale of the following -



@ Define Objectives. It is the conceptual phase in shith the objectives are clarified and defined with a view to select a policy regarding action or decision-making for solving the problem.

1 Fromissing Atternatives. - Promising alternative programmes which can possibly achieve the objectives are thought of and designed

3 Model Building - Promising Alternatives can be shaped into models. A model is an analog or reality It represents the system qualitatively or quan-

thatherety. A model maybe in physical form or it may be a mothematical presentation. It is always cheaper and convenient to forecast the consequences and to test the performance to system. Depending upan-tue type of problem, there can be an overall process model, performance model, time model etc @ Contenion. The individual models are evaluated in terms of the criterion specified before. The conterior may be effectiveness, cost, performance or cost against performance etc. D'Preference vise Alternatives - from the performance of models, various alternatives programmes are listed in order of preference. 6 ventication. The most promising afternatives are tested by experiments and their good points onerestied Define Management and Explain-the functions A Management in Dotail. Management - According to Harrold Koont & Management is an aut of getting tenings done through and with the people in formally organized groups It is an art of creating an environment in which people can perform and individuals and can co-operate towards affairment of group goalst.

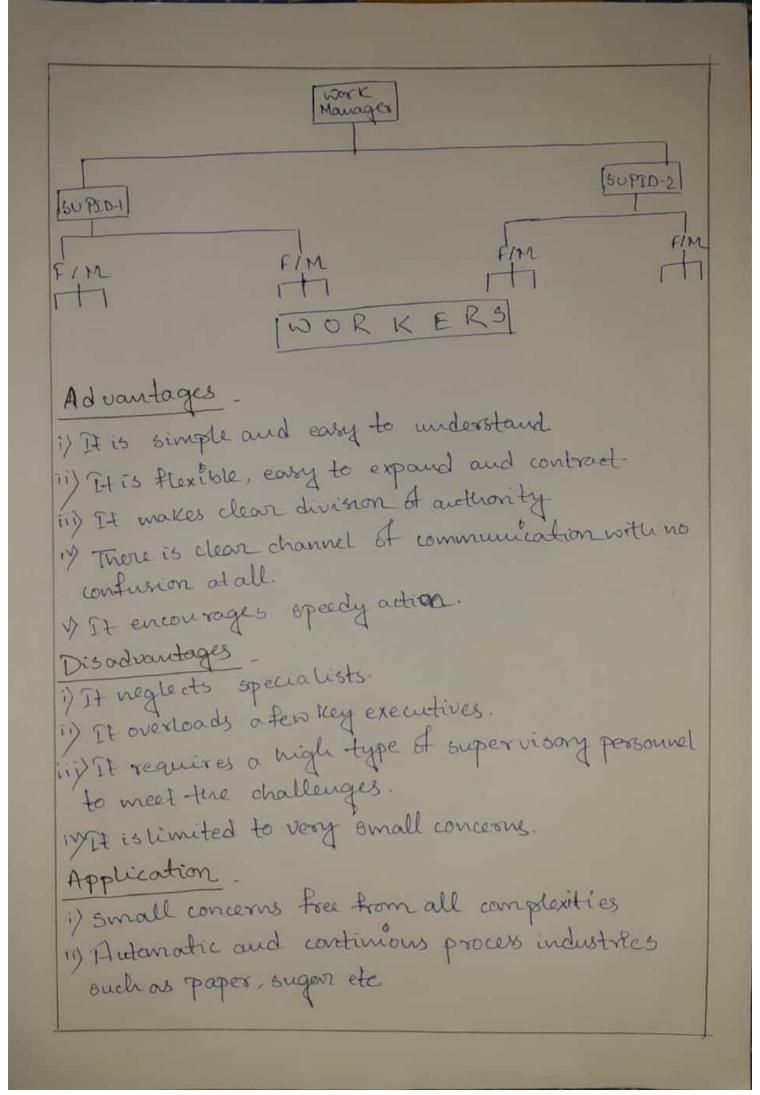
27

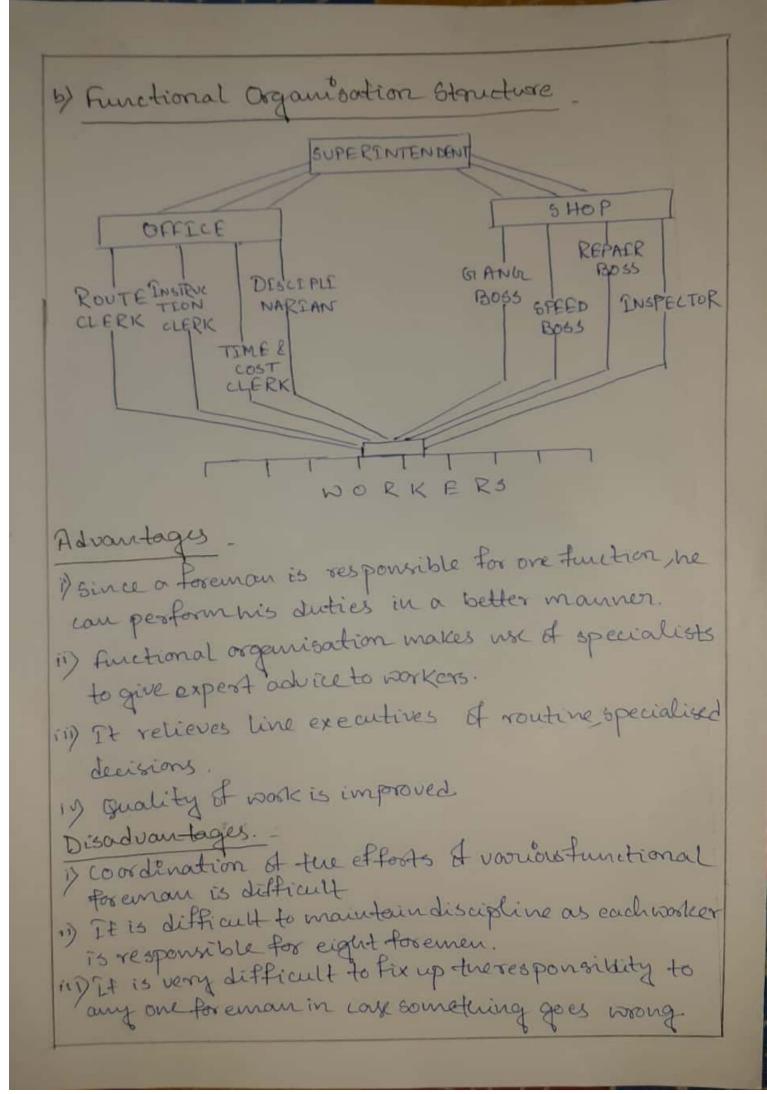
## functions of Management.

- O forecasting. Forecasting is a necessary polininary to planning. It estimates—the future work or what should be done in future, may be as regards sales or production or any orspect it business activity
- Delling et are exsential in order to minimize selling et are exsential in order to minimize intangibles. It is a rational, economic, systematic may of making decision of today which will affect the future. Without proper planning the affect the future without proper planning the activities of an enterprise may become confused activities of an enterprise may become confused haphatased and ineffective. So prior planning haphatased and ineffective so prior planning to very essential for utilizing the available facilities to the best of advantage.
- Dorganising organising is the process by which the structure and allocation of jobs is determined organising involves determining activities required to achieve the established company objectives grouping these activities in a logical bossis for handling by subordinate, managers and finally assigning persons to the job designed.

1) staffing - staffing is the process by which managers select train retire subordinates. It involves the developing and placing of qualified people in the various jobs in the organi Lation. Directing - Directing is the process by which actual performance et subordinates is guided towards a common goal of the company Directing involves functions asof Leader ship. It is the quality of the behaviour &-the person whereby they insplie confidence and toust in their subordinates. b) communication. It is the process by which ideas are transmitted, received and understood by others for the purpose of getting desired result c) Motivation. It means inspiring the subordinates to do a work or to achieve company objective of supervision. It is necessary in order to ensure the work is going on as per the plan. Occardinating - Coordinating means achieving havenony of individuals effort towards the accomplishment of company objectives.

1 Controlling - It is the process that measures current performance and guides it towards some predetermined goal. 1)-the monitoring of activities to make sure that the end objectives are being met i) the initiation of corrective action ors required to over-come problems it any hindering the accomplishment of objectives. 1 Decision Making - Decision making is the groces by which a course of action is consciously chosen forom available alternatives for the propose of achieving desired goals. Explain the different types of organization structure along with advantages, disadvantages and application a) Line, Military or Scaler Organisation. Ais the simplest form of organisation structure It is called military organisation because it resembled to olden military organizations. The authority from directly from the workmanager to superintendent to Foremen and Fromthem to workers.





Applications In the modified form of this most modern and advanced concerns. c) Line & Staff Organisation Stoucture. As the industry grew in size, the line executives could not perform properly all other functions such as R&D, Planning etc. This necessitated the employing A special executives to assist line executives and they were known as start Legal Advises Secretary - B.O.D. -sales Manager Accounts Officer a.M - Pur chase Engineer Personal Manager-Industrial Engineer w.M. Design Engineer - Stores Officer Supta-B Suptd-A FIM FIN FIM 1 WORK ERS B.O.D - Board of Directors 6. M - General Manager W.M. - Works Manager Supta - Superintendent FIMI - Foreman.

Advantages ) Expert advise from specialist sterff executives can be made use of 2) Line executives are relieved of some of their 3) Less wastage of material, man and machinehous 1) Quality of the product is improved. Disadvantages 1) Product cost will increase because it nigh sorlaries of stuff executives 2) At time the staff department may infringe upon the rights and responsibilities of the line organisation tuns weakening the line organisation. 3) Line and stuf & organization may get confused in car functions are not clear. 4) Frictions and jealousies if developed between time and staff executives many cause harm to the enterprise Application. Line and staff organisation is very common among the medium and larger enterprise

Explain-the following: a) Meaning and Europostance & Division of Labour 3) Scalar & Function Processes e) span of control. d) Delegation of Authority, e) centralization and Decentralization in Industrial Management a) Meaning and Emportance & Division of Labour Meaning Division & Labour implies that work must be divided to obtain specialisation witha view to improve the performance of workers. The classifical theory rests on the assump tion-that more a particular job is broken into its simplest component parts, the more specialised a worker can become in corrying out his perst. Fungostance O Impostance on Producers. i) Encrease in Production 1) Reduction in the cost of production ing maximum uthisation of Madinery. D'Emportance on Contumers. i) Availability of commodities at a cheaper price i) Better quality of commo dities.

- 10 Importance on Labourers -
  - 1) Increase in efficiency of Labour.
  - i) Prevents Mobility of Labour.
  - in Forcease in Employment Oppostunities.
- @ Importance on Nations.
  - 1) Full utilization of Natural Resources.
  - 1) It is an index of economic growth.
- b) Scalar & functional Processes..

Scalar Process. It refers to the growth of chain of command, delegation of authority unity of command and obligation to report

It is called scalar process because it provides a scale or grading of duties a cooling to the degree of authority. It generates superior subordinate relation ship in the organization

functional Process. The functional processes deals with the division of organization into specialised parts or departments and regrouping of the parts into compatible units.

c) span of control. i) wide span of control. P805 ! 1) Encourages Delegation. Managers must better delegate to handle larger numbers & subordinate 2) Agile. Improves communication speed cons. 1) High managerial workload 2) Role contusion more likely i) Noovon span of control. P805 -1) more rapid communication between smallterns 2) through one smaller and easier to control. cons: 1) communication can take too long, hampering decision making 2) Employees may feel lost and powerless d) Delegation of Authority - The Delegation of authority is an process wherein, the manager divides his work among the subordinates and give them the responsibility to accomplish the respective tasks.

e) centralization. It is the process of transferring and assigning decision making authority to higher levels of an organizational niorarchy The span of control of top managers is relatively broad and there are relatively many tiers in the organization. Decentralization. It is the process of transferring and assigning decision making authority to lower tevers of organizational hierarchy The span of control of top managers is relatively small and there are few Hears with organization 5) Explain meaning of organizational culture and climate and write down in detail factor affecting them. Meaning of Organizational Culture. The culture It an organization refers to the unique configura tion of norms, values beliefs and ways of behaving that characterize the manner in which groups and individuals combine to get things done Factors Affecting the culture i) structure. Feelings about constraints and freedom toact and the degrees of formality in the working atmosphere

- i) Responsibility the feeting of being trusted to covery out important work.
- in the job and in the organization.

social groups.

Meaning of Organizational Climate. A set of properties of the work environment, perceived directly or indirectly by the employees that is orsumed to be a major force in influencing employee behaviour

Factors Affecting Witherelimate.

- determination with respect to work procedures
- showing within the organization setting, including the willinguess of members to provide material risk
- in) Resource The perception of time demands with respect to task competition and performance standards.

6) Define Moral and Explain Factors affecting moral in detail. Moral - Floppo has described morale" as a mental condition or altitude of individuals and groups which determines their willingness to cooperate Factors Affecting Moral. 1) The Organization. The organization influences the worker's affitudes to their jobs. The public reputation of an organization may build up for better or worse, their altitudes towards it ii) The Nature of work - Repetation of the same fask makes the working situation worse. in) The Level of satisfaction - such as oppostunities for promotions, job security, steadiners of employment recognition etc my The Level of supervision. If employeesance given freedom to do the job their morale will be of Employee's Age - Age and morale are directly related. The older employees have more stability which comes with maturity. high.

B) Define Job satisfaction and Explain in detail factors influencing Job Satisfaction. Job satisfaction. Too satisfaction is any combination & psychological, physiological, environmental circumstances that caux a person trutufully say I am satisfied with my job. factors Influencing Job Satisfaction. 1) Personal Factors. They include is workers gender, 2) Age, 3> Number of Dependents, 4) Time on Job, 5) Level and Range & Intelligence 6) Level of education, 7) Attitude, 3) Personality, 9) Education, 10) Marital otatus etc 1) factors Juherent in the Job. It found to be important in the selection of employees. 2) Nature of Job, 3) skill Required, 4) augational States in) factors controlled by Management 1) security, 2) Fringe Benefits, 3) 6- workers, y) from of Communi

cotion, s) working conditions, 6) Responsibility

eta

9) Explain-the Important provisions of factoryact and labour land.

Any 1) The Trade Union Act 1926! - Trade unions area very strong medium to safe the rights of the employees. These union have the power to compel higher management to accept their reasonable demands

2) The Payment of Wages Act 1936 This actensures that workers must get wages on time and without any unathonised deductions.

3/ Industrial Disputes Act 1947 - This act has the provisions regarding the fair dismissal & perma nent employées. As pertus law a workers who has been employed for more than a year com only be dismissed if permission is soughtform and granted by the good office.

4) Minimum Wages Act 1948 - This act ensures minimum wages to workers. This wage many range between as much as RS 143 to 1126/day s) Maternity Bonefits Act, 1961 - This act entitles maternity wave for pregnent woman employees As pertuis act female workers are entitled to a maximum of 12 weeks (84 days) of maternity Leave