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| Q | A systematic arrangement of various departments, machines, equipment and services of men for economical, effective and efficient functioning of an organization for production of any goods or for rendering services is called... |
| A | Process layout |
| B | Product layout |
| C | Plant layout |
| D | Project layout |
| 1 | The objective of plant layout is... |
| A | Minimum customer satisfaction |
| B | Maximum utilization of space, machine, & manpower |
| C | Minimum employees & safety |
| D | Maximum employees & safety |
| 2 | A layout problem may arise due to... |
| A | Addition or deletion of a process |
| B | Addition or deletion of a product |
| C | Changes in the design of the process |
| D | All of above |
| 3 | Impact of poor plant layout is... |
| A | Low material handling costs |
| B | Clean floor space |
| C | Safety and morale problems |
| D | Higher quality |
| 4 | Which comes first, the material handling system or the plant layout? |
| A | Plant layout then material handling system |
| B | Material handling system then facility layout |
| C | The layout and the handling system should be designed Simultaneously |
| D | None of above |
| 5 | Assembly lines relate most closely to a... |
| A | Fixed layout |
| B | Process layout |
| C | Product layout |
| D | Hydrate layout |
| 6 | Which of the following is not a mark of a good layout in manufacturing? |
| A | Straight line flow pattern or adaptation |
| B | Bottleneck operations |
| C | Work stations close together |
| D | Open plant floors for high visibility |
| 7 | Which of the following industries should be located near the vicinity of raw materials? |
| A | Cycles |
| B | Televisions |
| C | Power plant |
| D | Steel plant |
| 8 | If all the processing equipment and machines are arranged according to the sequence of operations of a product the layout is known as... |
| A | Fixed layout |
| B | Process layout |

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| C | Product layout |
| D | Hydride layout |
| 9 | The following type of layout is preferred to manufacture a standard product in large quantity... |
| A | Fixed layout |
| B | Process layout |
| C | Product layout |
| D | Hydride layout |
| 10 | The following type of layout is preferred for low volume production of non standard products... |
| A | Fixed layout |
| B | Process layout |
| C | Product layout |
| D | Hydride layout |
| 11 | In ship manufacturing, the type of layout preferred is... |
| A | Fixed layout |
| B | Process layout |
| C | Product layout |
| D | Hydride layout |
| 12 | The chart which is a graphic representation of sequence of all the production activities occurring in process of plant is called... |
| A | Management chart |
| B | Material chart |
| C | Process flow chart |
| D | Production management |
| 13 | Which of the following is a potential disadvantage of product layout? |
| A | Limited opportunities for specialization of equipment |
| B | High unit costs |
| C | Inconvenient movement of materials |
| D | Not very robust if there is a disruption |
| 14 | Which of the following is a potential disadvantage of process layout? |
| A | Hard to supervise |
| B | Complex flow can be difficult to control |
| C | Easily disrupted |
| D | Low product flexibility |
| 15 | The layout of an operation is concerned with deciding where to put... |
| A | Facilities and equipment |
| B | Staff & machines |
| C | Staff, machines, facilities and equipment |
| D | Machines, facilities and equipment |
| 16 | The layout where the equipment, machinery, plant and people move as necessary is known as... |
| A | Fixed layout |
| B | Process layout |
| C | Product layout |
| D | Hydride layout |
| 17 | Which of the following processes most likely uses batch production? |
| A | Sugar Refinery |
| B | Plastic Part Manufacturer |
| C | Consumer Electronics |
| D | Oil Refinery |
| 18 | All of the following will increase the capacity of process except... |
| A | The purchase of additional equipment |

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| B | Scheduled machine maintenance |
| C | Larger production lot sizes |
| D | Increasing the backlog before each machine |
| 19 | Which of the following layouts is suited for mass production? |
| A | Process layout |
| B | Product layout |
| C | Fixed position layout |
| D | Functional layout |
| 20 | Process layout is employed for... |
| A | Batch production |
| B | Continuous type of production |
| C | Effective utilization of machines |
| D | all of the above |
| 21 | A low unit cost can be achieved by following... |
| A | Process layout |
| B | Product layout |
| C | Fixed position layout |
| D | Functional layout |
| 22 | Job shop and batch processing are differentiated on the basis of... |
| A | Job requirements |
| B | Degree of standardization |
| C | Volume of output |
| D | Both (b) and (c) |
| 23 | Automation is preferred because it |
| A | Offers lesser dependence on workers |
| B | Results in reduction in variable cost |
| C | Offers easy handling of repetitive work |
| D | All of the given options |
| 24 | What type of process would a paper mill be most likely to use? |
| A | Continuous flow |
| B | Job shop |
| C | Project |
| D | Flow shop |
| 25 | Primary raw material for textile industry is... |
| A | Milk |
| B | Iron ore |
| C | Cotton |
| D | Crude oil |
| 27 | Which of the following is not part or section of Textile Industry? |
| A | Spinning |
| B | Weaving |
| C | Casting |
| D | Garmenting |
| 28 | In Textile Industry, spinning is... |
| A | The conversion of fibers into yarn |
| B | The conversion of yarn or tread into fabric |
| C | The conversion of yarn into garment |
| D | The conversion of fabric into garment |
| 29 | In Textile Industry, Weaving is... |
| A | The conversion of fibers into yarn |

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| B | The conversion of yarn or tread into fabric |
| C | The conversion of yarn into garment |
| D | The conversion of fabric into garment |
| 30 | In Textile Industry, Garmenting is... |
| A | The conversion of fibers into yarn |
| B | The conversion of yarn or tread into fabric |
| C | The conversion of yarn into garment |
| D | The conversion of fabric into garment |
| 31 | In which section of Textile Industry a Ring frame is used? |
| A | Ginning |
| B | Spinning |
| C | Weaving |
| D | Garmenting |
| 32 | In which section of Textile Industry a loom is used? |
| A | Ginning |
| B | Spinning |
| C | Weaving |
| D | Garmenting |
| 33 | In which section of Textile Industry a sewing machine is used? |
| A | Ginning |
| B | Spinning |
| C | Weaving |
| D | Garmenting |
| 34 | Primary raw material for Dairy Industry is... |
| A | Milk |
| B | Iron ore |
| C | Cotton |
| D | Crude oil |
| 35 | Which of the following industry is using the pasteurization process? |
| A | Textile |
| B | Dairy |
| C | Vegetable oil |
| D | Steel plant |
| 36 | Major storage tank / vessel of Dairy Industry are made by... |
| A | Stainless Steel |
| B | Mild Steel |
| C | Iron |
| D | Plastic |
| 37 | Butter, Cheese, yogurt, is products of... |
| A | Textile |
| B | Dairy |
| C | Vegetable oil |
| D | Steel plant |
| 38 | Pasteurization process means... |
| A | The conversion of milk into butter |
| B | The conversion of hot milk into cold milk within few second |
| C | The conversion of milk into cheese |
| D | The conversion of butter into cheese |
| 39 | Which of the following process is not involved in Dairy Industry? |
| A | Chilling |

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| B | Casting |
| C | Pasteurization |
| D | Homogenization |
| 40 | Major processes of Dairy Industry in done in... |
| A | Atmosphere condition |
| B | Controlled atmosphere condition |
| C | Open building |
| D | Open plant |
| 41 | Primary raw material for Vegetable Oil Industry is... |
| A | Seeds of soybean & sunflower |
| B | Crude oil |
| C | Pam oil |
| D | All of above |
| 42 | Which of the following process is involved in Vegetable Oil Industry? |
| A | Degumming |
| B | Neutralizing |
| C | Deodorization |
| D | All of above |
| 43 | Which of the following industry is using the solvent extraction plant? |
| A | Textile |
| B | Dairy |
| C | Vegetable oil |
| D | Steel plant |
| 44 | In which of the following process caustic soda is used in Vegetable Oil Industry? |
| A | Degumming |
| B | Neutralizing |
| C | Deodorization |
| D | All of above |
| 45 | Primary raw material for Steel Industry is... |
| A | Milk |
| B | Iron ore |
| C | Cotton |
| D | Crude oil |
| 46 | Raw materials for Steel Industry are... |
| A | Iron ore |
| B | Coal and coke |
| C | Limestone and dolomite |
| D | All of above |
| 47 | Which of the following industry is using the DRI plant? |
| A | Textile |
| B | Dairy |
| C | Vegetable oil |
| D | Steel plant |
| 47 | Which of the following machine or plant is used in the Steel plant? |
| A | Coke oven |
| B | Blast furnace |
| C | Electric arc furnace |
| D | All of above |
| 48 | Which of the following industry is using continues casting machine? |
| A | Textile |

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| B | Dairy |
| C | Vegetable oil |
| D | Steel plant |
| 49 | Which of the following industry is using 'Tapping' process? |
| A | Textile |
| B | Dairy |
| C | Vegetable oil |
| D | Steel plant |
| 50 | Which of the following is Non Ferrous Metal? |
| A | Aluminum |
| B | Copper |
| C | Brass, Lead & Zinc |
| D | All of above |
| 51 | Which of the following machinery is used in the chemical plant? |
| A | Vessel & Rector |
| B | Filter Nutsche & Clarifier |
| C | Scrubber & Separator |
| D | All of above |
| 52 | Which of the following machinery is used in the chemical plant? |
| A | Reaction Kettle & Heat Exchanger |
| B | Ball Mill & Ribbon Blender |
| C | Flakers & Rotary Vacuum Dryer |
| D | All of above |
| 53 | Which of the following machinery is not used in the chemical plant? |
| A | Glass lined equipment |
| B | Kiln |
| C | Evaporators |
| D | Mixer & tank |
| 54 | Which of the following machinery is used in the pharmaceutical plant? |
| A | Tray Dryer & Shifter |
| B | Mass Mixer, & Granulator |
| C | Multi Mill & Fluid Bed Dryer |
| D | All of above |
| 55 | Which of the following machinery is not used Tablet manufacturing unit of the pharmaceutical plant? |
| A | Blister packing machine |
| B | Coating machine |
| C | Amplue filling machine |
| D | Tablet compression machine |
| 56 | Major difference between chemical & pharmaceutical plant is... |
| A | Operation required safety |
| B | Operation in controlled Atmosphere |
| C | Operation required statutory permission |
| D | All of above |
| 57 | Which of the following machinery is not used liquid manufacturing unit of the pharmaceutical plant? |
| A | Washer |
| B | Filling machine |
| C | Strip packing machine |
| D | Sealing machine |

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| 58 | Fermentation is process of... |
| A | Textile unit |
| B | Steel plant |
| C | Vegetable oil plant |
| D | Pharmaceutical plant |
| 59 | Raw materials for Plastic Industry are... |
| A | High Density Polyethylene |
| B | Linear Low Density Polyethylene |
| C | Low Density Polyethylene & Poly Vinyl Chloride |
| D | All of above |
| 60 | Extruder is used in... |
| A | Textile unit |
| B | Plastic plant |
| C | Vegetable oil plant |
| D | Pharmaceutical plant |
| 61 | Which of the following machine is used in the plastic plant? |
| A | Injection Molding & Blow Molding |
| B | Transforming & Transfer Molding |
| C | Compression Molding & Extrusion |
| D | All of above |
| 62 | Which machine is used in extrusion of plastic tube? |
| A | Injection Molding |
| B | Blow Molding |
| C | Compression Molding |
| D | Transfer Molding |
| 63 | Raw material for Tyre Industry is... |
| A | Special fabric |
| B | Natural rubber & other chemicals |
| C | Steel |
| D | All of above |
| 64 | Curing press is used in... |
| A | Tyre industry |
| B | Steel industry |
| C | Paper industry |
| D | Printing industry |
| 65 | Digester is used in... |
| A | Tyre industry |
| B | Steel industry |
| C | Paper industry |
| D | Printing industry |
| 66 | Whish of the following sequence is correct for paper industry? |
| A | Chipping, Drying, Bleaching, Washing |
| B | Washing, Chipping, Drying, Bleaching |
| C | Chipping, Bleaching, Washing, Drying |
| D | Chipping, Washing, Bleaching, Drying |
| 66 | Capacity of paper industry is measure as... |
| A | Kg per hour |
| B | Ton per day |
| C | Ton per month |
| D | Kg per day |

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| 67 | Pulper is used in... |
| A | Tyre industry |
| B | Steel industry |
| C | Paper industry |
| D | Printing industry |
| 68 | In soft drink, soft water is used for... |
| A | For Concentration preparation |
| B | For sugar syrup preparation |
| C | For bottle washing |
| D | All of above |
| 69 | In soft drink, chemical treated water passed through sand, carbon & micron filter and ultraviolet sterilizer is used for... |
| A | For Concentration preparation |
| B | For Boiler |
| C | For bottle washing |
| D | None of above |
| 70 | Carbonation process is part of... |
| A | Tyre industry |
| B | Steel industry |
| C | Paper industry |
| D | Soft drink industry |
| 71 | For which of the following industry it is compulsion to obtain license... |
| A | Distillation and brewing of alcoholic drinks |
| B | Electronics and aerospace and defense equipment |
| C | Industrial explosives including detonating fuses, safety fuses, gun powder, nitrocellulose and matches |
| D | All of above |
| 72 | Which of the following statutory permission required for chemical industry |
| A | Pollution control board |
| B | Storage of hazardous chemical |
| C | Chief Inspector of Factories |
| D | All of above |
| 73 | Which of the following is method of manufacture? |
| A | Repetitive & Discrete |
| B | Job shop |
| C | Process - Batch & Continuous |
| D | All of above |
| 74 | Which of the following industry used boiler & air compressor? |
| A | Textile & Chemical plant |
| B | Dairy & Tyre Industry |
| C | Steel & Pare plant |
| D | All of above |
| 75 | Boiler is used to generate... |
| A | Hot vapor |
| B | Hot water at high temperature |
| C | Steam at high pressure & temperature |
| D | All of above |
| 76 | Air compressor is used to generate... |
| A | Air at high pressure |
| B | Air at high temperature |
| C | Air at low pressure |

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| D | Air at low temperature |
| 77 | Air Handling Unit is used in... |
| A | Dairy |
| B | Textile unit |
| C | Pharmaceutical unit |
| D | All of above |
| 78 | Vulcanization process is involved in... |
| A | Dairy |
| B | Rubber plant |
| C | Pharmaceutical unit |
| D | All of above |
| 79 | Smelter is used for production of... |
| A | Aluminum |
| B | Copper |
| C | Zinc |
| D | All of above |
| 80 | In steel industry, sinter plant is used for... |
| A | to process fine grained raw materials into a coarse grained iron ore sinter, ready to be charged to the blast furnace |
| B | to process fine grained raw materials into a coarse grained iron ore sinter, ready to be charged to the induction furnace |
| C | to process fine grained raw materials into a coarse grained iron ore sinter, ready to be charged to the electric arc furnace |
| D | All of above |

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