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Examinations 2020
B.Tech, Mechanical Engineering, Semester: VIII
Subject: Material Handling Systems
ME 505

Id	1
Question	Material handling consists of movement of material from
A	One machine to another within the confines of a building
B	One shop to another shop outside the confines of a building
C	Stores to shop outside the confines of a building
D	All of the above
Answer	
Marks	1.5
Unit	1

Id	2
Question	Material handling is
A	Loading of materials
B	Unloading of materials
C	Moving, packing and storing of materials
D	All of the above
Answer	
Marks	1.5
Unit	1

Id	3
Question	Material handling system
A	Cut down the indirect labor cost
B	Increases overall cost.
C	Increases indirect labor cost
D	Both a and b are correct
Answer	
Marks	1.5
Unit	1

Id	4
Question	Material handling consists of movement of material from
A	Within the different machines on shop floor
B	One shop to another shop within factory
C	stores to shop within factory
D	All of the above
Answer	
Marks	1.5
Unit	1

Id	5
Question	Material handling
A	Is a production process, it adds to the value of the product
B	It costs money
C	It adds value to the product
D	None of the above
Answer	
Marks	1.5
Unit	1

Id	6
Question	The following can't be the objectives of Material Handling
A	Reduction in accidents
B	Improved Customer service
C	Increased labor expenses
D	Improved working conditions
Answer	
Marks	1.5
Unit	1

Id	7
Question	Planning for correct location for materials supply and disposal is considered under principle of Materials handling.
A	Gravity Principle
B	Unit size principle
C	Safety principle
D	Planning principle
Answer	
Marks	1.5
Unit	1

Id	8
Question	Material handling consists of movement of material from
A	Source to destination within factory
B	One shop to another shop within factory
C	Stores to shop within factory
D	All of the above
Answer	
Marks	1.5
Unit	1

Id	9
Question	Considering plant layout before equipment/system design is the guideline Materials handling principle.
A	Material flow principle
B	Planning principle
C	Simplification principle
D	Gravity principle
Answer	
Marks	1.5
Unit	1

Id	10
Question	Considering the entire scope of handling activities is in context of Materials handling principle
A	Systems principle
B	Planning principle
C	None of the above
D	Both of 'a' and 'b' is correct
Answer	
Marks	1.5
Unit	1

Id	11
Question	Integrating as many activities as is practical into a coordinated system is as per ---of Materials handling principle
A	Systems Principle
B	Planning Principle
C	Material flow principle
D	None of the above
Answer	
Marks	1.5
Unit	1

Id	12
Question	Integrating all handling activities such as from receiving of raw material to transportation of finished products is considered under ---- of Materials handling.
A	Planning principle
B	Systems Principle
C	Material flow principle
D	Simplification principle
Answer	
Marks	1.5
Unit	1

Id	13
Question	Avoiding back tracking and zig-zag movements is under context of ----of Materials handling.
A	Systems principle
B	Gravity principle
C	Material flow principle
D	Simplification principle
Answer	
Marks	1.5
Unit	1

Id	14
Question	Eliminating obstacles is basic concern with ----of Materials handling.
A	Space utilization principle
B	Simplification principle
C	Material flow principle
D	Safety principle
Answer	
Marks	1.5
Unit	1

Id	15
Question	Moving greatest weight for least distance is under the context of -----of Materials handling.
A	Unit size principle
B	Safety principle
C	Material flow principle
D	Standardization principle
Answer	
Marks	1.5
Unit	1

Id	16
Question	Increasing efficiency by combining unnecessary movement and/or equipment is as per-----of Materials handling.
A	Standardization principle
B	Simplification principle
C	Gravity principle
D	Safety principle
Answer	
Marks	1.5
Unit	1

Id	17
Question	Do not mechanize unnecessarily is as per -----of Materials handling.
A	Simplification principle
B	Space utilization principle
C	Unit size principle
D	Safety principle
Answer	
Marks	1.5
Unit	1

Id	18
Question	Reducing variety of equipment's to be used is in the context of -----of Materials handling.
A	Space utilization principle
B	Safety Principle
C	Automation principle
D	Simplification principle
Answer	
Marks	1.5
Unit	1

Id	19
Question	Employing inclined roller conveyors is proposed under----of Materials handling.
A	Space utilization principle
B	Safety principle
C	Automation principle
D	Gravity principle
Answer	
Marks	1.5
Unit	1

Id	20
Question	Using slides and chutes wherever possible is promoted under ----- of Materials handling.
A	Simplification principle
B	Safety principle
C	Gravity principle
D	Automation principle
Answer	
Marks	1.5
Unit	1

Id	21
Question	Using ramps between varying work or floor levels is promoted under ----- of Materials handling.
A	Simplification principle
B	Safety principle
C	Gravity principle
D	Automation principle
Answer	
Marks	1.5
Unit	1

Id	22
Question	Making optimum use of building volume is mainly the concern of -----of Materials handling.
A	Planning principle
B	Space utilization principle
C	Material flow principle
D	Simplification principle
Answer	
Marks	1.5
Unit	1

Id	23
Question	Eliminating or reducing temporary storage of materials is promoted under-----of Materials handling.
A	Planning principle
B	Space utilization principle
C	Material flow principle
D	Simplification principle
Answer	
Marks	1.5
Unit	1

Id	24
Question	Utilizing height of building and using high racks to permit higher stocking is promoted under ----of Materials handling.
A	Planning principle
B	Space utilization principle
C	Material flow principle
D	Simplification principle
Answer	
Marks	1.5
Unit	1

Id	25
Question	Use of collapsible containers is in context of -----of material handling.
A	Simplification principle
B	Space utilization principle
C	Safety principle
D	Automation principle
Answer	
Marks	1.5
Unit	1

Id	26
Question	Increasing quantity, size and weight of load handled is the concern of -----of materials handling.
A	Simplification principle
B	Space utilization principle
C	Unit size Principle
D	Automation principle
Answer	
Marks	1.5
Unit	1

Id	27
Question	Procurement of materials in larger units is promoted under ----- of Materials handling
A	Simplification principle
B	Space utilization principle
C	Unit size Principle
D	Automation principle
Answer	
Marks	1.5
Unit	1

Id	28
Question	Larger the load, lesser will be the cost per unit handled is as per -----of Materials handling principle.
A	Simplification principle
B	Space utilization principle
C	Unit size Principle
D	Automation principle
Answer	
Marks	1.5
Unit	1

Id	29
Question	Maintaining floor with adequate lighting is guided under-----of Materials handling.
A	Simplification principle
B	Planning principle
C	Safety principle
D	Automation principle
Answer	
Marks	1.5
Unit	1

Id	30
Question	Using mirror at aisle intersections is in context of -----of Material handling.
A	Simplification principle
B	Planning principle
C	Safety principle
D	Automation principle
Answer	
Marks	1.5
Unit	1

Id	31
Question	When large quantities or volumes of materials are to be handled, application of ----- of materials handling is recommended.
A	Simplification principle
B	Gravity principle
C	Automation/Mechanization principle
D	Standardization principle
Answer	
Marks	1.5
Unit	1

Id	32
Question	When hazardous materials are to be handled, application of -----materials handling is recommended
A	Simplification principle
B	Gravity principle
C	Automation principle/Mechanization
D	Standardization principle
Answer	
Marks	1.5
Unit	1

Id	33
Question	Replacing large number of persons involved in handling is in context of the -----of materials handling.
A	Simplification principle
B	Safety principle
C	Automation principle/Mechanization
D	Standardization principle
Answer	
Marks	1.5
Unit	1

Id	34
Question	Use of powered conveyors is according to the -----of material handling
A	Simplification principle
B	Safety principle
C	Automation principle/Mechanization
D	Standardization principle
Answer	
Marks	1.5
Unit	1

Id	35
Question	Selecting versatile material handling equipment is according to the -----of material handling.
A	Simplification principle
B	Safety principle
C	Equipment selection principle
D	Standardization principle
Answer	
Marks	1.5
Unit	1

Id	36
Question	Selecting fork truck with different forks is considered under-----of material handling.
A	Standardization principle
B	Simplification principle
C	Safety principle
D	Equipment selection principle
Answer	
Marks	1.5
Unit	1

Id	37
Question	Buying adjustable racks is in context of -----of material handling.
A	Simplification principle
B	Safety principle
C	Automation principle/Mechanization
D	Flexibility principle
Answer	
Marks	1.5
Unit	1

Id	38
Question	Employing equipment's capable of handling variety of tasks is as per -----of material handling.
A	Simplification principle
B	Safety principle
C	Automation principle/Mechanization
D	Flexibility principle
Answer	
Marks	1.5
Unit	1

Id	39
Question	Reducing ratio of dead weight of mobile equipment to load carried is considered according to -----of material handling.
A	Simplification principle
B	Safety principle
C	Automation principle/Mechanization
D	Dead weight principle
Answer	
Marks	1.5
Unit	1

Id	40
Question	Promoting use of low density materials is in context of -----of material handling.
A	Simplification principle
B	Safety principle
C	Gravity principle
D	Dead weight principle
Answer	
Marks	1.5
Unit	1

Id	41
Question	“Equipment’s should have less dead weight to pay load” this is in accordance with-----of material handling.
A	Simplification principle
B	Safety principle
C	Gravity principle
D	Dead weight principle
Answer	
Marks	1.5
Unit	1

Id	42
Question	“There should be minimum stoppage of mobile equipment's” this statement is in accordance with-----of material handling principle.
A	Dead weight principle
B	Standardization principle
C	Simplification principle
D	Motion principle
Answer	
Marks	1.5
Unit	1

Id	43
Question	Reducing loading and unloading time is in context of -----material handling principle.
A	Mechanization principle
B	Standardization principle
C	Simplification principle
D	Motion principle
Answer	
Marks	1.5
Unit	1

Id	44
Question	Use of tractor trailers so that tractors can be used for other work while the trailer is being loaded/unloaded, is according to -----of material handling.
A	Mechanization principle
B	Standardization principle
C	Simplification principle
D	Motion principle
Answer	
Marks	1.5
Unit	1

Id	45
Question	Reducing idle time of both material handling equipment and manpower is in context of -----of material handling.
A	Mechanization principle
B	Standardization principle
C	Simplification principle
D	Idle time principle
Answer	
Marks	1.5
Unit	1

Id	46
Question	'Equipment should be fully utilized' this is in context of -----material handling principle.
A	Mechanization principle
B	Standardization principle
C	Simplification principle
D	Idle time principle
Answer	
Marks	1.5
Unit	1

Id	47
Question	Combining jobs' that is one man handling two or more machines or jobs, this is as per -----of material handling.
A	Mechanization principle
B	Standardization principle
C	Simplification principle
D	Idle time principle
Answer	
Marks	1.5
Unit	1

Id	48
Question	Look over and analyze the market for new equipment, is in context of -----of material handling
A	Maintenance principle
B	Obsolescence principle
C	Motion principle
D	Safety principle
Answer	
Marks	1.5
Unit	1

Id	49
Question	Establishing a definite replacement policy is in context of----- of material handling.
A	Maintenance principle
B	Obsolescence principle
C	Motion principle
D	Safety principle
Answer	
Marks	1.5
Unit	1

Id	50
Question	Keeping up to date as to what is new in market is in accordance with the ---- of material handling
A	Maintenance principle
B	Obsolescence principle
C	Motion principle
D	Standardization principle
Answer	
Marks	1.5
Unit	1

Id	51
Question	Operating equipment at optimum rate is in accordance with-----of material handling.
A	Motion principle
B	Standardization principle
C	Capacity principle
D	Maintenance principle
Answer	
Marks	1.5
Unit	1

Id	52
Question	Planning to utilize forward and return runs of the equipment is in accordance with-----of material handling.
A	Motion principle
B	Standardization principle
C	Capacity principle
D	Simplification principle
Answer	
Marks	1.5
Unit	1

Id	53
Question	Widening aisle ways to speed material movement is as per-----of material handling.
A	Simplification principle
B	Safety principle
C	Capacity principle
D	Motion principle
Answer	
Marks	1.5
Unit	1

Id	54
Question	Determining effectiveness of performance in terms of cost per unit handled is in context of---of material handling
A	Motion principle
B	Capacity principle
C	Mechanization principle
D	Performance principle
Answer	
Marks	1.5
Unit	1

Id	55
Question	----can't be considered as benefits of material handling system.
A	Better use of floor space and facilities
B	Reduced Indirect labour cost
C	Reduced inventory in process
D	lack of supplies
Answer	
Marks	1.5
Unit	1

Id	56
Question	----is the objectives of proper material handling system
A	Reduced costs
B	lack of supplies
C	Idle machines
D	Material handling by skilled labour
Answer	
Marks	1.5
Unit	1

Id	57
Question	The objectives of reducing material handling cost is achieved by----
A	Material handling by skilled labour
B	Increasing in process storage
C	Increasing Inventory
D	Decreasing Inventory
Answer	
Marks	1.5
Unit	1

Id	58
Question	Improved Material handling system can increase the capacity by--
A	By faster loading or unloading
B	By reducing excessive wastage of space
C	only a is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	1

Id	59
Question	“larger the load handled, the lower the cost per unit handled” is the concept/principle of ---
A	Unit load
B	simplification
C	Systems
D	Planning
Answer	
Marks	1.5
Unit	1

Id	60
Question	Unit load concept can be used for----
A	shipping
B	Receiving
C	Inprocess handling and storage
D	All of the above
Answer	
Marks	1.5
Unit	1

Id	61
Question	As per unit load concept----
A	There should be minimum number of handling
B	Unit load should be as small as possible
C	There should be maximum number of handling
D	None of the above
Answer	
Marks	1.5
Unit	1

Id	62
Question	-----can't be the benefits of Unit load
A	Increased cost of transportation
B	Maximum space utilization
C	faster movement of materials
D	reduced loading and unloading time
Answer	
Marks	1.5
Unit	1

Id	63
Question	Assemblage and securing of individual items on platform is
A	Unitization
B	Palletization
C	Containerization
D	Simplification
Answer	
Marks	1.5
Unit	1

Id	64
Question	Advantages of Palletization are
A	Increased operational efficiency of transport equipment
B	Increased labour requirement
C	Decreased operational efficiency
D	No any adva
Answer	
Marks	1.5
Unit	1

Id	65
Question	-----is effectively a box that is capable of being transported using a variety of different modes of transport
A	Palletization
B	Containerization
C	Unitization
D	Simplification
Answer	
Marks	1.5
Unit	1

Id	66
Question	-----is a type of Industry which can be imagined to operate without use of any of material handling systems
A	Chemical industries,
B	Heavy manufacturing industries,
C	mining industries,
D	Shipbuilding industries, or aircraft industries
Answer	
Marks	1.5
Unit	1

Id	67
Question	Except -----are the negative aspects of material handling.
A	Cut down in indirect labor cost
B	Flexibility for further changes gets reduced
C	Increased downtime of the production system
D	Material handling system needs maintenance hence additional cost.
Answer	
Marks	1.5
Unit	1

Id	68
Question	A logical outcome of mechanically assisted handling is -----
A	unit load concept
B	containerization
C	palletization
D	none of the above
Answer	
Marks	1.5
Unit	1

Id	69
Question	A good plant layout
A	Minimize handling time and effort
B	Increases floor space
C	Increases handling time
D	Both a and b are correct
Answer	
Marks	1.5
Unit	1

Id	70
Question	Plant layout is responsible for ----
A	productivity and orderly flow of materials
B	Increases handling time
C	Increases accidents
D	None of the above
Answer	
Marks	1.5
Unit	1

Id	71
Question	Plant layout should be such that, it ---
A	can be changed to accommodate diversification
B	can be changed due to expansion
C	change in technology
D	All of the above
Answer	
Marks	1.5
Unit	1

Id	72
Question	Plant layout should be designed, such as to -----effects of dislocation
A	Minimize
B	Maximize
C	Doesn't effect
D	None of the above
Answer	
Marks	1.5
Unit	1

Id	73
Question	Objectives of good plant layout are---
A	minimize waste during materials handling
B	minimum utilization of equipment
C	Minimum changes
D	None of the above
Answer	
Marks	1.5
Unit	1

Id	74
Question	Advantages of good plant layout are--
A	minimum internal transportation and reduced labour turnover
B	Average labour turnover
C	Maximum internal transportation
D	Increased labour turnover
Answer	
Marks	1.5
Unit	1

Id	75
Question	Advantages of good plant layout are---
A	minimum internal transportation
B	reduced production delays to a large extent
C	minimizes material handling cost
D	All of the above
Answer	
Marks	1.5
Unit	1

Id	76
Question	Plant layout integrates ----
A	man, materials but not machinery
B	man materials machinery and space
C	only 'b' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	1

Id	77
Question	Symptoms of good plant layout
A	Less amounts of materials in process
B	Greater amount of materials in process
C	Greater material flow
D	More handling by skilled labour
Answer	
Marks	1.5
Unit	1

Id	78
Question	Symptoms of good plant layout
A	More handling by skilled labour
B	Comfortable working with less physical strain on workers
C	Excessive temporary storage
D	All of the above
Answer	
Marks	1.5
Unit	1

Id	79
Question	Characteristics of good plant layout
A	minimum handling between operations
B	maximum automatic handling
C	Minimum goods in process
D	All of the above
Answer	
Marks	1.5
Unit	1

Id	80
Question	Objectives of good plant layout are----
A	reduced in-process inventory
B	minimum utilization of manpower
C	minimum capital investment
D	All of the above
Answer	
Marks	1.5
Unit	1

Id	1
Question	----- are used for holding or buffering materials over a period of time.
A	Transport equipment's
B	Positioning equipment's
C	Storage Equipment's
D	Hoisting equipment's
Answer	
Marks	1.5
Unit	2

Id	2
Question	are usually considered to be powered(need power for operation) material handling equipment.
A	Positioning equipment's
B	Storage Equipment's
C	Hoisting equipment's
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	3
Question	----- can be stationary, portable or travelling type.
A	Positioning equipment's
B	Storage Equipment's
C	Hoisting equipment's
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	4
Question	are used for holding or buffering materials over a period of time.
A	Transport equipment's
B	Positioning equipment's
C	Hoisitng Equipment's
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	5
Question	is the equipment that can move materials in a fixed path.
A	Industrial tractors
B	Chutes
C	only 'b' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	6
Question	Is the equipment that can move the material through variable path.
A	Industrial tractors
B	Chutes
C	only 'a' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	7
Question	are the equipment's generally utilized to lift and move heavy materials through overhead space intermittently.
A	Transport equipment's
B	Positioning equipment's
C	Storage Equipment's
D	Hoisting equipment
Answer	
Marks	1.5
Unit	2

Id	8
Question	are the equipment's that can move heavy materials through overhead space.
A	Transport equipment's
B	Positioning equipment's
C	Storage Equipment's
D	Cranes
Answer	
Marks	1.5
Unit	2

Id	9
Question	are used for moving material between two fixed workstations
A	Conveyors
B	Industrial trucks
C	only 'a' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	10
Question	are used for moving material between two fixed workstations.
A	Conveyors
B	Industrial tractors
C	only 'a' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	11
Question	---are the equipment's that are used to move material from one location to another.
A	Transport equipment's
B	Positioning equipment's
C	Storage Equipment's
D	Cranes
Answer	
Marks	1.5
Unit	2

Id	12
Question	---are the equipment's that are used to move material between workplaces.
A	Transport equipment's
B	Positioning equipment's
C	Storage Equipment's
D	Cranes
Answer	
Marks	1.5
Unit	2

Id	13
Question	---are the equipment's that are used to move material between a loading dock and a storage area.
A	Transport equipment's
B	Positioning equipment's
C	Storage Equipment's
D	Cranes
Answer	
Marks	1.5
Unit	2

Id	14
Question	Most commonly used device for forming unit load on platform is---
A	container
B	Pallet
C	only 'b' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	15
Question	Most commonly used device for forming unit load on platform is---
A	container
B	Skid
C	only 'b' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	16
Question	A device enabling the load to be arranged on a platform, that can be lifted and carried as unit load is----
A	container
B	Pallet
C	only 'b' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	17
Question	Compared to a pallet, a skid is used for----loads, when stacking is not required.
A	Heavier
B	Lighter
C	only 'a' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	18
Question	In -----type of storage equipment, lift trucks are driven between the upright beams
A	drive-in-rack
B	drive-through-rack
C	only 'a' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	19
Question	In -----type of storage equipment, lift trucks has access from both ends.
A	drive-in-rack
B	drive-through-rack
C	only 'b' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	20
Question	The drive-in-rack, is also considered as --- type of rack
A	LIFO
B	FIFO
C	only 'a' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	21
Question	The drive-through-rack, is also considered as ---- type of rack
A	LIFO
B	FIFO
C	only 'b' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	22
Question	In situations, when it is required to distribute hundreds of products to distributors/retailers in small quantities, the use of ----- is preferred.
A	Order picking carts,
B	Mini load Automatic storage/retrieval system(AS/RS)
C	only 'a' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	23
Question	is a portable, hand-operated, device for moving /lifting heavy loads through short distances.
A	Hydraulic Jacks
B	Winch
C	only 'a' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	24
Question	Equipment's used to handle material at a single location/single workplaces.
A	Transport equipment's
B	Positioning equipment's
C	Storage Equipment's
D	Hoisting equipment's
Answer	
Marks	1.5
Unit	2

Id	25
Question	Equipment's used to feed, orient, load/unload the material at a single location/single workplaces.
A	Transport equipment's
B	Positioning equipment's
C	Storage Equipment's
D	Hoisting equipment's
Answer	
Marks	1.5
Unit	2

Id	26
Question	Equipment's used to manipulate material at a single location/single workplaces
A	Transport equipment's
B	Positioning equipment's
C	Storage Equipment's
D	Hoisting equipment's
Answer	
Marks	1.5
Unit	2

Id	27
Question	Dock leveler, Rotary Index table are categorized under -----type of material handling equipment's
A	Powered Stackers
B	Positioning equipment's
C	Storage Equipment's
D	Order Pickers
Answer	
Marks	1.5
Unit	2

Id	28
Question	Is a positioning device used for rotating in discrete intermittent steps to advance parts between stations located along its perimeter.
A	Circular rotary index table
B	Ball transfer table
C	Lift turn table
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	29
Question	block is used for lifting loads through vertical distance and is the most simple and inexpensive in cost.
A	Winch
B	Power hoist
C	Pulleys
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	30
Question	are used to carry low volumes for short distances, variable paths and are suitable for large variety of loads.
A	Hand Trolleys
B	Pulleys
C	Power Hoist
D	Winch
Answer	
Marks	1.5
Unit	2

Id	31
Question	is an apparatus for vertical translation of load, and can be operated manually or power assisted
A	Hoist
B	Pulleys
C	Power Hoist
D	Winch
Answer	
Marks	1.5
Unit	2

Id	32
Question	are similar to elevator except that, it does not carry the operator in it, but is operated from one or two other points
A	Hoist
B	Pulleys
C	Power Hoist
D	Winch
Answer	
Marks	1.5
Unit	2

Id	33
Question	is an equipment for pulling a load by winding one or two ropes on a rope drum.
A	Hoist
B	Pulleys
C	Power Hoist
D	Winch
Answer	
Marks	1.5
Unit	2

Id	34
Question	Overhead monorail -----are used for transferring loads from shop to shop, or in charging cupolas.
A	Power Hoist
B	Winch
C	Powered stackers
D	Reach trucks
Answer	
Marks	1.5
Unit	2

Id	35
Question	If a winch is used only for raising and lowering the load, it called as –
A	Hoist
B	Elevator
C	Crane
D	Stackers
Answer	
Marks	1.5
Unit	2

Id	36
Question	is the most dominating factor in favour of selecting electric hoists as material handling equipment.
A	Slow lifting with limited moving around
B	Needs electricity to operate
C	Can be mounted to ceilings
D	Cost effectiveness
Answer	
Marks	1.5
Unit	2

Id	37
Question	Cranes are preferred over to conveyors when
A	Loads is to be moved in unrestricted area
B	There is insufficient/intermittent flow volume
C	Fixed shape load is to be moved
D	Loads are to be moved over fixed paths
Answer	
Marks	1.5
Unit	2

Id	38
Question	Cranes are commonly employed in
A	Transportation Industry
B	Construction Industry
C	Manufacturing Industry
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	39
Question	For the assembling of heavy equipment -----is a preferred material handling equipment.
A	Hoist
B	Pulleys
C	Cranes
D	Winch
Answer	
Marks	1.5
Unit	2

Id	40
Question	For the movement of material in the construction industry----- is a preferred material handling equipment.
A	Hoist
B	Pulleys
C	Cranes
D	Winch
Answer	
Marks	1.5
Unit	2

Id	41
Question	For the loading and unloading of freight in transport industry-----is a preferred material handling equipment
A	Hoist
B	Pulleys
C	Cranes
D	Winch
Answer	
Marks	1.5
Unit	2

Id	42
Question	For handling ladle, casting and mould in a foundry, -----type of crane is preferred.
A	Jib
B	Gantry
C	Bridge
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	43
Question	Operates like an arm in a work area, where it can function as manipulator for positioning task-
A	Jib Crane
B	Gantry
C	Bridge
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	44
Question	Cranes are generally
A	Electrically operated
B	Diesel operated
C	Diesel-electric drive
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	45
Question	enables three-dimensional handling
A	Jib Crane
B	Gantry Crane
C	Bridge Crane
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	46
Question	type of crane does not interfere with work on floor, rather moves materials over the working zone.
A	Jib Crane
B	Gantry Crane
C	Bridge Crane
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	47
Question	type of crane used in heavy machine shops, foundries, steel plants, assembly and repair shops.
A	Jib Crane
B	Gantry Crane
C	Bridge Crane
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	48
Question	type of cranes have four motions, compared to three motions available with most of the cranes.
A	Jib Crane
B	Gantry Crane
C	Bridge Crane
D	Mobile Cranes
Answer	
Marks	1.5
Unit	2

Id	49
Question	Most of the cranes have these motions in general
A	hoisting and derricking
B	Hoisting, derricking and slewing
C	Hoisting, derricking, slewing and travelling
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	50
Question	An elevator is different than hoist by the fact that
A	Is a vertical transport equipment
B	Are generally powered by electric motors
C	Carries materials up or down
D	Operator rides with the load
Answer	
Marks	1.5
Unit	2

Id	51
Question	----- is a reliable equipment widely used in process plant for lifting bulk materials like lime stone, foundry sand.
A	Industrial trucks
B	Power hoist
C	Mobile Cranes
D	Bucket elevators
Answer	
Marks	1.5
Unit	2

Id	52
Question	is a reliable equipment widely used in coal fired power houses, hot abrasive materials movement.
A	Industrial trucks
B	Power hoist
C	Mobile Cranes
D	Bucket elevators
Answer	
Marks	1.5
Unit	2

Id	53
Question	Bucket conveyors offer stable equilibrium because of
A	The center of gravity is below the pivot in every bucket
B	The center of gravity is above the pivot in every bucket
C	Automatic loading and unloading
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	54
Question	Bucket conveyors can follow ----- paths
A	Only vertical
B	Only horizontal
C	Vertical, horizontal, and Inclined
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	55
Question	Cage elevators are intended exclusively for ----
A	Vertical lifting of freight
B	Vertical lifting of freight and passengers
C	Only 'a' is correct
D	Both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	2

Id	56
Question	type of elevators are used in industrial enterprises, offices
A	Stage elevators
B	Cage elevators
C	Sidewalk elevators
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	57
Question	Use of conveyors is preferred when-
A	Loads is to be moved in unrestricted area
B	There is sufficient/continuous flow volume
C	Fixed shape load is to be moved
D	Loads are to be moved over fixed paths
Answer	
Marks	1.5
Unit	2

Id	58
Question	Conveyors are categorized as---
A	Fixed path equipment's
B	Variable path equipment's
C	Overhead path equipment's
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	59
Question	is valid for Conveyors
A	Interrupting the flow of materials when required.
B	Diverting, raising, lowering, loaded unloaded at will
C	Can be portable or fixed
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	60
Question	----is valid for Conveyors
A	Do not necessarily require an operator
B	Have minimum downtime
C	Requires less time for preventive maintenance
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	61
Question	---is valid for Conveyors
A	Largely saves labour cost
B	Take up little space
C	Relatively investment cost is low
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	62
Question	--is valid for belt conveyors
A	It is capable of handling wet materials
B	In can handle hot materials upt 1600 C
C	Steel, fertilizer industry can't function without belt conveyor
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	63
Question	When loaded, the belt conforms to the shape of rollers, in ---- type of conveyors
A	Troughed belt conveyor
B	Flat belt conveyor
C	Portable belt conveyor
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	64
Question	--is valid for chain conveyors as compared to belt conveyors
A	High weight and initial cost
B	Limited running speed
C	Limited length and lift
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	65
Question	Chain conveyors are primarily used to transport -
A	Heavy unit loads
B	Industrial containers
C	Grates of big boilers
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	66
Question	----is valid for roller conveyors
A	Materials transported must have rigid flat/riding surface
B	Used for relatively long distances
C	No guards are required to retain loads from falling off
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	67
Question	-- is valid for roller conveyors.
A	Is a traction type conveyor
B	Is a traction less type of conveyor
C	In unpowered roller conveyor driving force is applied directly to loads
D	both 'a' and 'c' are valid
Answer	
Marks	1.5
Unit	2

Id	68
Question	Commonly preferred conveyor in assembly, packaging and storage operations is---
A	Wheel Conveyor
B	Trolley Conveyor
C	Roller Conveyor
D	Gravity type conveyor
Answer	
Marks	1.5
Unit	2

Id	69
Question	Conveyor particularly used for raising/lowering of loads between floors, through processing stations without transferring/unloading is -----
A	Tray conveyor
B	Trolley Conveyor
C	Roller Conveyor
D	Gravity type conveyor
Answer	
Marks	1.5
Unit	2

Id	70
Question	has both vertical and horizontal motion, used to move the material from higher level to lower level
A	Chutes
B	Tray conveyor
C	Trolley Conveyor
D	Roller Conveyor
Answer	
Marks	1.5
Unit	2

Id	71
Question	--conveyor is more suitable for mixing or blending more than one material during transportation
A	Wheel Conveyor
B	Trolley Conveyor
C	Roller Conveyor
D	Screw Conveyor
Answer	
Marks	1.5
Unit	2

Id	72
Question	--conveyors find wide spread application in the transportation of dusty, hot, toxic and chemically aggressive bulk material.
A	Wheel Conveyor
B	Vibratory Conveyor
C	Roller Conveyor
D	Belt conveyor
Answer	
Marks	1.5
Unit	2

Id	73
Question	----- are commonly used material handling equipment's both in industry as well as in large stores, warehouses.
A	Industrial trucks
B	Trolley Conveyor
C	Cage elevators
D	None of the above
Answer	
Marks	1.5
Unit	2

Id	74
Question	---are self loading, powered, with operator seating, designed to raise, move and lower load.
A	Fork Lift trucks
B	Industrial trucks
C	Hand truck
D	tractors
Answer	
Marks	1.5
Unit	2

Id	75
Question	Has the forks that can reach out on a pantographic mechanism to travel forward to engage load
A	Fork Lift trucks
B	Industrial trucks
C	Reach truck
D	tractors
Answer	
Marks	1.5
Unit	2

Id	76
Question	Typically has forks to allow the truck to be used for pallet stacking.
A	Fork Lift trucks
B	Industrial trucks
C	Order Picker
D	tractors
Answer	
Marks	1.5
Unit	2

Id	77
Question	Is used for preparing the stock pile with the incoming material.
A	Stacker
B	order picker
C	tractors
D	Industrial trucks
Answer	
Marks	1.5
Unit	2

Id	78
Question	Braking system is invariably incorporated in case of
A	Electric hoists
B	Magnetic hoists
C	Hand chain hoists
D	All of the above
Answer	
Marks	1.5
Unit	2

Id	79
Question	These conveyors are generally used as a feeder, and for screening, blending.
A	Screw conveyors
B	Belt conveyors
C	Gravity type conveyors
D	Vibrating conveyors
Answer	
Marks	1.5
Unit	2

Id	80
Question	----is the storage type of equipment
A	Dock leveler
B	Parts feeder
C	Balancer
D	Bin shelving
Answer	
Marks	1.5
Unit	2

Id	1
Question	1. The integration of total manufacturing enterprise, or the integration of all the functions of an enterprise is
A	CIMS
B	AS/RS
C	CAD/CAE
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	2
Question	The battery powered driverless vehicle with programming capabilities for destination, path selection and positioning is
A	AGVs
B	AMHs
C	Robots
D	AS/RS
Answer	
Marks	1.5
Unit	3

Id	3
Question	Highly flexible, intelligent and versatile material handling system used to transport materials throughout facilities is
A	AGVs
B	AMHs
C	Robots
D	AS/RS
Answer	
Marks	1.5
Unit	3

Id	4
Question	Implementation of AGV system
A	Can lower labor costs by replacing fork lift operations
B	Allows real time dispatching and control
C	Reduces downtime
D	All of the above
Answer	
Marks	1.5
Unit	3

Id	5
Question	A general term to describe integration of product design, planning, production, distribution and management is
A	CAD/CAM
B	CIM
C	CAD
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	6
Question	Industrial robots have been increasingly used in materials handling at workplace because
A	Material handling work is monotonous
B	Fatiguing and is threat to personal safety of operators
C	Time consuming
D	All of the above
Answer	
Marks	1.5
Unit	3

Id	7
Question	A reprogrammable, multifunctional manipulator designed to move materials, parts, tools is
A	AS/RS
B	Industrial truck
C	Robot
D	none of the above
Answer	
Marks	1.5
Unit	3

Id	8
Question	The components of Robot are
A	The Manipulator, and sensors
B	The power conversion unit
C	only 'a' is correct
D	both 'a' and 'b' are correct
Answer	
Marks	1.5
Unit	3

Id	9
Question	---is capable of movement in various directions and does the work of robot
A	Manipulator
B	The controller
C	Sensors
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	10
Question	Material handling by robots is generally
A	Material transfer
B	Machine loading and unloading
C	Assembly and Inspection
D	only 'a' and 'b'
Answer	
Marks	1.5
Unit	3

Id	11
Question	Picking up the parts from one location and placing them at new location is type of application of Robot
A	Material transfer
B	Material handling
C	Processing operations
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	12
Question	Robot transferring parts from one conveyor to another is a classical example of
A	Material transfer
B	Material handling
C	Processing operations
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	13
Question	Applications of Robotic machine loading and unloading operations are
A	Die casting operations
B	Forging
C	Forming
D	only 'a' and 'b'
Answer	
Marks	1.5
Unit	3

Id	14
Question	Heat treatment and Press working operations is application of Robotic
A	Machine loading and unloading
B	Material transferring
C	None of the above
D	only 'a' is correct
Answer	
Marks	1.5
Unit	3

Id	15
Question	Applications of Robots in process industry are
A	Spot welding
B	Gas welding
C	Painting
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	16
Question	The industrial processes that are being performed by Robots are
A	Drilling
B	Laser cutting
C	Grinding
D	All of the above
Answer	
Marks	1.5
Unit	3

Id	17
Question	Component insertion, spot welding operations are done by
A	Point to point control robot
B	Continuous path control point
C	Controlled path robot
D	Point to path control robot
Answer	
Marks	1.5
Unit	3

Id	18
Question	Machine loading and unloading operations are done by
A	Point to point control robot
B	Continuous path control point
C	Controlled path robot
D	Point to path control robot
Answer	
Marks	1.5
Unit	3

Id	19
Question	The control equipment can develop paths of different geometry such as lines, circles in this type of Robot
A	Point to point control robot
B	Continuous path control point
C	Controlled path robot
D	Point to path control robot
Answer	
Marks	1.5
Unit	3

Id	20
Question	The first type of AGVs introduced was
A	Driverless trains
B	Pallet Trucks
C	Unit load carriers
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	21
Question	Following are the essential components of AGVS
A	The vehicle and guide path
B	The control unit and computer interface
C	Only 'a' is essential
D	both 'a' and 'b' are essential
Answer	
Marks	1.5
Unit	3

Id	22
Question	It monitors and directs system operations including feedback on moves, inventory and vehicles
A	The control unit
B	The guide path
C	The computer interface
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	23
Question	Normal operations that can be carried out in AGVS pallet trucks are
A	Loads are pulled off on to spur
B	Lowering of the pallet forks to the floor, and pulling out from the pallet
C	Automatically returns empty to the loading area
D	All of the above
Answer	
Marks	1.5
Unit	3

Id	24
Question	One of the most expensive AGVS types is
A	AGVS forklift trucks
B	AGVS pallet trucks
C	AGVS towing trucks
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	25
Question	AGVS that are capable of picking up and dropping off a palletized load automatically
A	AGVS forklift trucks
B	AGVS pallet trucks
C	AGVS towing trucks
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	26
Question	These AGVS are recommended to be used in case of full automation
A	AGVS forklift trucks
B	AGVS pallet trucks
C	AGVS towing trucks
D	None of the above
Answer	
Marks	1.5
Unit	3

Id	27
Question	A highly flexible, intelligent, and versatile material handling systems used to transport materials from various loading locations to various unloading locations throughout the facility is
A	Hand Truck
B	Pallet Truck
C	Tractor Truck
D	Automated Guided Vehicle
Answer	
Marks	1.5
Unit	3

Id	28
Question	For loading and unloading of parts from a furnace most preferred material handling equipment could be
A	Industrial robot
B	Industrial truck
C	Overhead drag chain conveyor
D	Floor type conveyor
Answer	
Marks	1.5
Unit	3

Id	29
Question	One of the most common applications for industrial robots is
A	Pick and place operations
B	Spot welding
C	Gas welding
D	Painting
Answer	
Marks	1.5
Unit	3

Id	30
Question	A Robot is basically a
A	Machining device
B	Inspection device
C	Material Handler
D	Machine tool
Answer	
Marks	1.5
Unit	3

Id	31
Question	A CAD/CAM is the inter-relationship between
A	marketing and design
B	manufacturing and marketing
C	engineering and marketing
D	engineering and manufacturing
Answer	
Marks	1.5
Unit	3

Id	32
Question	Robots consists of three basic components : Power supply, Control (memory) console and
A	Micro computer
B	Coaxial cable
C	Mechanical unit arm
D	Software
Answer	
Marks	1.5
Unit	3

Id	33
Question	The four basic configurations that can be combined to produce a variety of robotic combinations are : Cartesian, articulated, cylindrical and
A	Square
B	Spherical
C	Oblong
D	Octagonal
Answer	
Marks	1.5
Unit	3

Id	34
Question	Which of the following drive system is used in Robots
A	Hydraulic
B	Electric motor
C	Pneumatic
D	Any of the above
Answer	
Marks	1.5
Unit	3

Id	35
Question	A Robot is prevented from running into other objects by
A	Sensory devices
B	Negative image
C	bubble memeory
D	Pixel
Answer	
Marks	1.5
Unit	3

Id	36
Question	Degree of freedom required for Robot are
A	three
B	Four
C	Six
D	Eight
Answer	
Marks	1.5
Unit	3

Id	37
Question	Robot can be used in Industry for
A	Inspection
B	Material transferring
C	Assembly
D	Any of the above
Answer	
Marks	1.5
Unit	3

Id	38
Question	Robots can use the following sensors
A	Vision sensor
B	Voice sensor
C	Tactile and Proximity sensor
D	All of the above
Answer	
Marks	1.5
Unit	3

Id	39
Question	Are the multi functional and flexible manipulators
A	Robots
B	Industrial trucks
C	Industrial tractors
D	Inspection devices
Answer	
Marks	1.5
Unit	3

Id	40
Question	Robot can be used in Industry for
A	Inspection
B	Quality control
C	Manufacturing
D	Research and development
Answer	
Marks	1.5
Unit	3