Q=QUESTION question_description answer_description

Q The full form of SAVE is

A Society of African Value Engineers
A Society of American Value Engineers
A Society of Australian Value Engineers
A Society of Asian Value Engineers

The application of creative techniques to increase the value and functions

Q of an already existing product is known as

A Value engineering
Value analysis
Value approach

A Value stream mapping

Q Specific technical knowledge is required in

A Value engineering
Value analysis
Value approach

A Value stream mapping

Q _______ is a preventive process

A Value engineering
Value analysis
Value approach

A Value stream mapping

Value is defined as the ratio of

A Performance/Materials

A Output/Input
Performance/Cost
Cost/Performance

Q Value engineering and Value analysis can reduce cost by

10% to 20% 5% to 15% 5% to 40% 80%

A Value analysis requires
entire knowledge of a team
specific technical knowledge

A detailed documentation of a product

A partial knowledge of a team

Q _______ is a remedial process

Value engineering
Value analysis
Value approach

Value stream mapping

Q The price paid by the buyer is

Cost value
Esteem value

A Use value Exchange value

Q Value is the cost directly proportional to

A function

A product material

A price A economy

Q Work study is done with the help of ---

A process chart
A material handling
Stop watch
Sampling

Q The correct order of procedure in method study is

Select – Record – Examine – Develop – Define – Install – Maintain

Select – Define – Examine – Develop – Record – Install – Maintain

Select – Record – Develop – Examine – Define – Install – Maintain

Select – Record – Examine – Define – Develop – Install – Maintain

Q The standard time for a job is ----

A Total work content

A Base time + relaxation time
A Total work content + basic time

A Total work content + delay contingency allowance

Q Time study is -----

The appraisal, in terms of time, of the value of work involving human

effort

A Machine setting time

A Time taken by workers to do a job

Method of fixing time for workers

Q Per cent idle time for men or machines is found by

A Work sampling
Time study
Method study
work study

Choose the wrong statement Time study is used to

A determine overhead expenses

A provide a basis for setting piece prices or incentive wages

A determine standard costs

determine the capability of an operator to handle the number of

machines machines

Q Work sampling observations are taken on the basis of

A Detailed calculations

A Convenience

Table of random numbers

A Past experience

What does symbol 'D' imply in work study

A Inspection

A Transport

A Delay temporary storage
A Permanent storage
Travel charts provide -----

An idea of the flow of materials at various stages

A compact estimate of the handling which must be done between

various work sections

The information for changes required in rearranging material

A handling equipment

An approximate estimate of the handling which must be done at a

A particular station

The objective of time study is to determine the time required to complete

Q a job by
A Fast worker
A Average worker
Slow worker
A new entrant

Q

A milk powder tin is being weighed as it is filled is an example of

Operation cum transportation

A Operation cum inspection

A Transportation cum inspection
A Transportation cum Storage

Work study comprises following main techniques

A method study and work measurement

Method study and time study

time study and work measurement method study and job evaluation

Q MTM does NOT help in
A Decrease labour cost
A Guiding product design
Develop effective tools
Increase manpower

Q What is the symbol of HOLD+MOVE

Circle
Line

Circle + under-line
Circle + top-line

Q 1 TMU is

A 36 milliseconds
A 3.6 milliseconds
O.0001 hours
O.001 hours

Q For POSITION therblig colour is

A Red

A Brown
A Black
A Blue

A graphic representation of work performed by left and right hand

Q in accomplishing

A SIMO chart
Operation chart
Gantt Chart
Process Chart.

The science which deals with the systematic investigation of the existing method of doing a job in order to develop and install an any rapid, efficient and effective procedure and install an easy rapid, efficient and effective procedure for doing the same job and at lower cost, is known as

A Motion study
A Method study
Time study

A Micro-motion study

The outline (operation) process chart, the following symbols are

Q used

A operation and inspection
Operation and transportation
inspection and transportation

A operation and storage

In process charts, the symbol used for Transport is

A Circle
A Square
A Arrow
Triangle
Q An Agile is

A software development process

An adjective A mindset

A set of best offer

Q Velocity:

A Is measured in task hours

A Is a measure of a teams rate of progress

Is a metric used to compare team performance
Is not affected when a change in scope is made

The most important defect metric we want to learn from is:

A Defects found during a sprint

A Defects found during the hardening sprint

A Defects found in production

A The age of all defects per product

Which of the following practices emphasize building releasable

Q products in short time frames?

A Release planning
A Sprint planning

A Iterative and incremental development

A Continuous integration

Q Select the items that describe the Product Owner Proxy role:

Manage product backlog (grooming, prioritization and refinement)

A Removes barriers

A Shields the team from external interferences

Acts as project manager

Who is responsible for knowing and applying Agile Principles and

Q Practices at all times?

A Scrum Master
Product Owner

A Architect
A Management

Who should necessarily attend the Daily Stand-up meeting?

A The Development Team

A The Scrum Team

The Development Team and the Product Owner
The Development Team and the Scrum Master

Q Flexible manufacturing allows for:

A factory management automated design

A tool design and tool production

A quick and inexpensive product changes

From the following what is the full form of AGV?

A Automatic Guided Vehicle
A Automated Gas Vehicle
A Automated Guided Vehicle
Automatic Gas Vehicle

Q What is the full form of AS/RS in FMS?
A Automated storage and recovery system
automatic storage and rotary system
A Automated storage and retrieval system
Automated storage and regenerative system

From the following in which FMS layout workstations are arranged

in a loop.

A Ladder layout
In line layout
Loop layout

From the following in which FMS layout robots are used as material handling system. Ladder layout Open field layout Loop layout Robot centered layout
A Ladder layout A Open field layout Loop layout A Robot centered layout
A Open field layout Loop layout Robot centered layout
A Loop layout Robot centered layout
A Robot centered layout
A Robot centered layout
The type in which the range or universe of part styles that can be
Q produced on the system
Mix flexibility
A Production flexibility
A Volume flexibility
A Product flexibility
The appropriate layout, when the application consists exclusively of
Q in-sequence moves is
A Rectangular layout
A Loop layout
A In-line layout
A U-shape layout
cell consists of one machine plus supporting
Q fixtures and tooling.
A Multiple machine
A Single machine
A Simple machine
A Automated machine
The first five digits in Opitz parts classification and coding system
Q are known as
A AGV
A FMS
A From code
A New equipment
The major tasks represent significant to the
application of group technology (GT).
A Inclined line
A Obstacle
A Curve form
A Vertical
Q Flexible manufacturing means:
A production of goods using less of everything.
A tailoring products to meet the needs of individual customers.
A using robots.
designing and using individual machines that can do multiple tasks
so that each can produce a variety of products.

What is the name of a system which brings together several Q technologies into a coherent system? Portable manufacturing systems Automated integration systems Focused integration systems Flexible manufacturing systems What is performance factor of workstation under 8 hour shift with 20 min cleaning and two 30 min break and no unplanned down time, cycle time is 1 second and 18000 items are produced? Q 0.5 0.75 0.25 1 What is the relation of customer and supplier icons under VSM? Both are different Both are same Customer icon is bigger Supplier icon is bigger Q Which is not a Customer value Efficiency Cost Delivery Reliability What does takt time measurement Q The process completion time The product completion time The rate of customer demand The time of change over Q Who is attribute for development of SMED? Taichii ohno Genichi Taguchi Kaoru ishikawa Shigeo shingo Which device is mostly associated with automation? flexible manufacturing robots computer graphics workstation Α NC machine Which of the following is the first step in making a correct location choice? Q

Develop location alternatives

Decide the criteria for evaluating location alternatives Α Evaluate the alternatives Make a decision and select the location From a company standpoint, which factors determine the desirability of a community as a place for its workers and managers to live? The amount of parking spaces Α Retail stores Schools Locals attitudes towards the company Α Which of the following industries should be located near the vicinity Q of raw materials? Cycles Α Televisions Sewing machines Steel mills Α Space available in vertical and horizontal directions is most effectively utilised" is known as principle of Q Cubic space utilisation Α Flexibility Flow Minimum distance In ship manufacturing, the type of layout preferred is **Product layout Process layout** Fixed position layout Combination layout For handling materials during manufacture of cement, a _____ is widely used. Q Belt conveyor **Bucket conveyor** Fork lift truck Α Overhead crane In which of the following layouts, the lines need to the balanced Q **Process layout Product layout** Fixed position layout Α Plant layout The wastage of material in the store is taken into account by the

following method in the evaluation of the material issued from the

store

Inflated system

Q

A Primary cost method
Current value method
Fixed price method

Which of the following is the first step in making a correct location

choice?

A Develop location alternatives

A Decide the criteria for evaluating location alternatives

A Evaluate the alternatives

Make a decision and select the location

Which of the following is not true for Multi-storey building?

A High heating and ventilation cost Small ground runs for drainage

Adopted for manufacture of light goods

A Less roof repairs

An inclined belt conveyor is used for loading goods. If speed of the belt having 1500 mm width is 3 m/s then what is the volumetric

capacity of the conveyor? (For 21o, k= 2.35 x 10-4)

1.19x10⁻³m³/s 1.75x10⁻³m³/s 1.5x10⁻³m³/s 2.5 x 10⁻³ m³/s

Statement 1: Chain drive rollers move faster than belt driven rollers, Statement 2: Screw conveyors are used in the feeding of raw materials like wheat or chilly into the grinding unit to make a

Q powder out of it.

A True, False
A True, True
A False, False
A False, True

Statement 1: Cranes and hoists have an incline up and down option,

Q Statement 2: Trucks can be used for continuous operations

A True, False
A True, True
A False, False
A False, True

The following cell formation technique is based on Component

shape and design?

A Production flow analysis
Component flow analysis
Composite component

A Simulation

A phantom bill of material is used Q Α when due dates have not been calculated for sub-assemblies that are immediately consumed in the next stage of production when the product is manufactured in major sub-assemblies to group small, loose parts together Q Following two techniques used to design process layouts Α block diagramming and relationship diagramming relationship diagramming and assembly line balancing relationship diagramming and assembling line balancing block diagramming and assembly line balancing The system environment in a mainframe computer consists of central processing storage devices printers and plotters both central processing and storage devices Q Lead time is given by...... Cycle time x No of workstations Process time x No of workstations Α Idle time x No of workstations Efficiency x No of workstations Q Which of the following is NOT a plant layout **Process layout** Α **Product layout** Α General layout Group layout From the following in which coding method supplementary code and form code are used? KK3 system The MICLASS system Α OPITZ coding system The DICLASS system Q is a collection of parts which have similar characteristics. Α Part family Α Mono family **GT** family Α Poly family Productivity = Input / Output Output / Input Output - Input Input - Output Q The resources utilized for production are

Materials, Machines, Manpower

A Materials, Methods, Machines
A Machines, Manpower, Methods
A Methods, Machine, Manpower
Q Father of time study was

F.W. Taylor
H.L. Gantt
F.B. Gilbert
R.M. Barnes

Q Tick the odd man out

A Taylor
A Drucker
A McGregor
Galileo

Q Productivity is the ____ of production system.

A Measurement
Efficiency
Both A and B
None of the above

Which of the following aspect is concerned with working conditions and

amenities such as canteens, crèches, housing, transport etc.

A Industrial relations aspects

A Labor aspect
Welfare aspect
Monetary aspect

Q In the job designing concept, BPR stands for

A Business Process Resourcing
Business Process Reengineering
Business Process Reporting
Business Process Remodelling

What is the term for a radical rethinking of the nature of the business?

A Transformational change
Revolutionary change
Strategic manoeuvre
Paradigm shift

What is the term for incremental changes to processes in an organisation

using information technology?

Business process improvement
Business process reengineering

A Business process change
Business process advance

What is the first step in a 'Stage gate' process?

A Develop a product
A Demonstrate a plan
A Initiate learning

A Generate ideas and concepts

What are the major steps in cognitive task analysis?

Use expert, conduct task analysis, interview experts, implement the

results

Use typical users, develop task-based scenarios, observe users, analyze

A the data

Use typical users, develop task-based scenarios, select and implement

knowledge elicitation methods, implement the results

Use experts, develop task-based scenarios, select and implement

A knowledge elicitation methods and implement the results

Which of the following is an analytic evaluation for usability

A Usability testing

A Structured questionnaire

A Simulation

A Heuristics evaluation

Q The model of long term memory is called

A Circuit model
A Neuron model
A Network model
Control model

What is not a factor effecting the response selection and execution?

A Design complexity
A Semantic memory
Compatibility
Feedback

Q Analysis and diagnosis comes under which category:

A Problem solving
Decision making

A Planning Execution

The state of the worker by which the capacity and willingness for doing

work is reduced is called

A Stress
A Fatigue
Creep
A Effort

Q The basic definition of Ergonomics is?

A Using relaxed posture

Fitting the employee to the workstation

Fitting the workstation to the employee

A Using for workstation

Q What is RSI?

A Repetitive Strain Injury

Regulatory Stress Information

Repetitive Systems Information

A Regular Stress Injury

Q How far should your monitor be from your eyes?

A 8" - 24" A 18"- 30" A 30" – 48" At least 48"

Which of the following wage incentive plan guarantees minimum wage to

a worker and bonus is paid for the fixed percentage of time saved?

Halsey plan
Gantt plan
Rowan plan

A Emerson's efficiency plan

In Lincoln plan (one type of group incentive plan), the amount of the profit which an employee receives in addition to the guaranteed basic

A pay/ wages, is based on
A standard rating system
A merit rating system
A job evaluation system
His individual performance

In Emerson's efficiency plan, a worker receives only his daily wage and no

bonus is paid till his efficiency reaches:

A 50% A 66.67% A 75% A 80%

Job evaluation is the method of determining the:

A Relative worth of jobs
A Skills required by a worker
Contribution of a worker
Contribution of a job

Merit rating is the method of determining the:

A Relative values of a job

A Workers performance on a job

A Worth of a machine

A Value of overall production

Q Merit rating is the method of determining the worth of:

A job

A An individual employee

A particular division in workshop

A machine

Both Rowan plan and 50-50 Hasley plan will provide the same earning

when the actual time is _____ the standard time.

One-fourth
One-half
Equal to
Twice

In Hasley 50-50 plan, the following are rewarded more

A Past good workers
A Past poor workers
A Past average workers
A Past excellent workers

If a worker gets a daily wage of Rs. HA, then according to Rowan plan, his maximum daily earnings can be:

Q maximur A 2 HA A 1.33 HA A 4.5 HA A 1.15 HA

Q One of the basic essentials of an incentive plan is that:

A differential piece rate system should exist

Minimum wages should be guaranteed

A Provide incentive to group efficiency performance All standards should be based on time studies

The bonus increases in proportion to the increase in efficiency. This

Q statement applies to

A Hasley plan A Gantt plan

A Emerson's efficiency plan

A Rowan plan