

Q=QUESTION

question\_description

A=ANSWER

answer\_description

These are sample MCQs to indicate pattern, may or may not appear in examination

Q

The second stage in product life cycle is

A

Introduction

A

Growth

A

Maturity

A

Decline

Q

In Morphology of design which is the second stage

A

Feasibility study

A

Preliminary Design

A

Detail design

A

Planning for manufacture

Q

Generally the number of stages in product life cycle are

A

10

A

9

A

8

A

4

Q

The products that customers normally buy frequently, immediately and without great comparison or buying effort is known as

A

Specialty Products

A

Convenience Products

A

Unsought Products

A

Industrial Products

Q

The term product line is related to

A

Product chain

A

Product mix

A

Product value

A

Product costing

Q

\_\_\_\_\_ is an approximate description of the technology , working principle, form of the product .

A

Product design

A

Product concept

A

Product Engineering

A

Product value

Q

The process of evaluating concepts with respect to customers' needs and the other criteria , comparing the relative strengths and weakn

A Concept selection  
A Concept generation  
A Concept testing  
A Concept planning  
Q The physical elements of a product which are typically organized in to several major physical building blocks which are called as  
A Chunks  
A Packets  
A Product elements  
A Product blocks  
Q Which of these is a second step in product design and development  
A Identifying customer needs  
A Establishing Target Specification  
A Generating the product concepts  
A Selecting product concepts  
Q Which of these is a first step in establishing product architecture  
A Creating a schematic of the product  
A Cluster the elements of the schematic  
A Create a rough geometric layout  
A Identify the fundamental and incidental interaction  
Q The full form of DFA is  
A Design for Assembly  
A Design for Accuracy  
A Design for Automobile  
A Design for Adjustment  
Q In which of these process the manufacturing cost is estimated  
A Concept generation  
A Concept testing  
A Concet selection  
A Design for manufacturing  
Q Design for Enivronment is done by  
A Only suppliers  
A Only Engineers  
A Customers  
A A team of functional experts

Q Factory cost consists  
A Factory expenses + Prime cost  
A Factory expenses + Total cost  
A Factory expenses + Manufacturing cost  
A Factory expenses + Prime cost  
Q Standardization of components helps to  
A Reduce the cost of components  
A Increase the cost of components  
A Improve product life span  
A Improve product performance  
Q Value of a product is given by  
A Function/Cost  
A Time/Cost  
A Profit/Cost  
A Time/Profit  
Q Which of these is associated with FMEA  
A Reliability  
A Concept testing  
A Product costing  
A Concept selection  
Q Customer requirements and Technical requirements are associated with  
A QFD  
A Product costing  
A DFM  
A DFA  
Q The ranking of severity is done in  
A QFD  
A FMEA  
A Product costing  
A DFM  
Q Concurrent engineering is also known as  
A Simultaneous Engineering  
A Product Engineering  
A Process Engineering

A Value Engineering  
Q Which of these is associated with man machine interaction  
A Ergonomics  
A Value Engineering  
A Product Value  
A Product cost  
Q Study of human size, mobility and shape for the purpose of designing products and the physical surrounding is referred as  
A Anthropometry  
A Anatomy  
A Anistropy  
A Aesthetics  
Q The qualities which make design attractive to look determine its  
A Asthetic Appeal  
A Ergonomics  
A Value  
A Performance  
Q The red colour indicates  
A Danger  
A Safety  
A Comfort  
A Cold  
Q What angle should your arms be bent to keyboard safely and comfortably?  
A 180 degrees  
A 90 degrees  
A 35 degrees  
A 45 degrees  
Q A temporary monopoly granted by a government to an inventor to exclude others from using an invention is known as  
A Trademark  
A Copyright  
A Ownership  
A Patent  
Q In United States a patent expires from the filing date  
A 15 Years  
A 10 Years

A 20 Years  
A 22 Years  
Q Which of these is a creativity technique  
A Brain storming  
A Product differentiation  
A Product costing  
A DFM  
Q The moral principles that apply to the practice of engineering is known as  
A Engineering Ethics  
A Value Engineering  
A Cost Engineering  
A Asthetics  
Q What is the full form of LOM in the context of Rapid prototyping  
A Laminated Object Manufacturing  
A Laminated Object Map  
A Laminated Object Mobile  
A Laminated Object Mould

nesses of the concepts , and selecting one or more concepts for further investigation or development is called as