NCPIL Mechanical Question Paper 2011 Executive Trainees Model Paper

Free download pdf Nuclear Power Corporation of India Ltd. (NPCIL) NPCIL Last 10 Years Papers with solution, Last Year NPCIL Question Papers, Previous year NPCIL Question Papers solved, Where can i get NPCIL question paper with solution answers Past Previous year Question Papers for Students download free, Old NPCIL question papers with solution, NCPIL Mechanical Question Paper 2011 Executive Trainees Model Paper

During the execution of a CNC part program block NO20 GO2 X45.0 Y25.0 R5.0 the type of tool motion will be
A) circular Interpolation — clockwise
B) circular Interpolation — counterclockwise
C) linear Interpolation
D) rapid feed
Answer : (A)

In an interchangeable assembly, shafts of size 25.000+0.040mm mate with holes of size 25.000+0.020 mm. The maximum possible clearance in the assembly will be
A) 10 microns
B) 20 microns
C) 30 microns
D) 60 microns
Answer : (D)

Stokes theorem connects
A) a line integral and a surface integral
B) a surface integral and a volume integral
C) a line integral and a volume integral
D) gradient of a function and its surface integral
Answer : (A)

When the temperature of a solid metal increases,
A) strength of the metal decreaes but ductility increases
B) both strength and ductility of the metal decrease
C) both strength and ductility of the metal increase
D) strength of the metal increases but ductility decreases
Answer : (A)

In a machining operation, doubling the cutting speed reduces the tool life to 1/8 of the original value.
The exponent n in Taylor
A) 1/8
B) 1/4
C) 1/3
D) 1/2
Answer : (C)

In PERT analysis a critical activity has
A) maximum Float
B) zero Float
C) maximum Cost
D) minimum Cost
Answer : (B)

Environment friendly refrigerant R134a is used in the new generation domestic refrigerators. Its chemical formula is
A) $CH\ C1\ F_2$

B) C2 C13 F3
C) C2 C12 F4
D) C2 H2 F4
Answer : (D)

Which of the following statements is INCORRECT?
(A) Grashof's rule states that for a planar crank-rocker four bar mechanism, the sum of the shortest and longest link lengths cannot be less than the sum of the remaining two link lengths.
(B) Inversions of a mechanism are created by fixing different links one at a time.
(C) Geneva mechanism is an intermittent motion device
(D) Gruebler's criterion assumes mobility of a planar mechanism to be one.

For the stability of a floating body, under the influence of gravity alone, which of the following is TRUE?
(A) Metacentre should be below centre of gravity
(B) Metacentre should be above centre of gravity
(C) Metacentre and centre of gravity must lie on the same horizontal line
(D) Metacentre and centre of gravity must lie on the same vertical line

The material property which depends only on the basic crystal structure is
(A) fatigue strength (B) work hardening
(C) fracture strength (D) elastic constant

Little's law is relationship between
(A) stock level and lead time in an inventory system
(B) waiting time and length of the queue in a queuing system
(C) number of machines and job due dates in a scheduling problem
(D) uncertainty in the activity time and project completion time

Vehicle manufacturing assembly line is an example of
(A) product layout (B) process layout (C) manual layout (D) fixed layout

Simplex method of solving linear programming problem uses
(A) all the points in the feasible region
(B) only the corner points of the feasible region
(C) intermediate points within the infeasible region
(D) only the interior points in the feasible region.

Similar Pages...

- **NPCIL Syllabus Question Pattern**

- **NPCIL Placement Paper**

- **NPCIL Question Paper on IT**

- **NPCIL Technical Question Paper**