

# Lab 350-601 Questions | 350-601 Reliable Test Notes



University of Boumerdes  
Faculty of Hydrocarbones and chemistry  
Common Core Unit



Monday, November, 13<sup>th</sup>, 2023

14h30-15h30

## Vibrating an Mechanical Waves

### Test 1

#### Exercise ,

The system represented on the figure 1 is constituted by two springs with spring constants  $k_1$  and  $k_2$  attached to the two ends of a rod with mass  $M$  and length  $L$ . A point mass  $m$  is fixed to the common point of the rod and the spring  $k_3$ .

The system oscillates with small amplitudes so that ,

$$\theta \approx \theta ; \quad \dot{\theta} \approx -\frac{\theta}{T}$$

The system is at equilibrium position for  $\theta = 0$ .

I- Calculate with respect to  $\theta$ .

I-1- Kinetic energy of the system. We give :  $T = \dots$

I-2- Potential energy and put it in its quadratic form.

I-3- Lagrangian of the system.

I-4- The differential equation of motion. Determine natural angular-frequency  $\omega$  and natural period  $T$ .

I-5- Calculate elongation at equilibrium of the spring  $k_2$  given that the compression of the spring  $k_1$  is  $\Delta$  .  $m = 0.1 \text{ Kg}$  ,  $k_1, k_2 = 50 \text{ N/m}$ .

II-1- By removing the mass  $m$  deduce new kinetic and potential energies without performing any new calculations.

II-2- Now, we replace the mass  $m$  and we remove the two springs. Describe the new system (draw a figure) by showing the equilibrium position.

II-3- Calculate new kinetic and potential energies

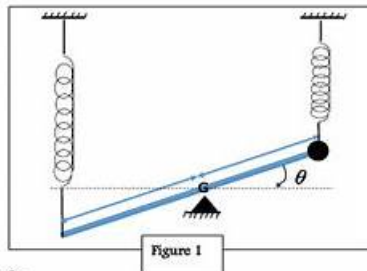


Figure 1

Good luck

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This **350-601 exam test** helps you prepare for the Cisco CCNP Data Center and CCIE Data Center certifications for advanced-level data center roles. In this course, you will master the skills and technologies you need to implement data center compute, LAN, and SAN infrastructure. You will also learn the essentials of automation and security in data centers. You will gain hands-on experience deploying, securing, operating, and maintaining Cisco data center infrastructure including Cisco MDS Switches and Cisco Nexus Switches; Cisco Unified Computing System (Cisco UCS) B-Series Blade Servers, and Cisco UCS C-Series Rack Servers.

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### Cisco Implementing Cisco Data Center Core Technologies (350-601 DCCOR) Sample Questions (Q189-Q194):

#### NEW QUESTION # 189

An engineer is asked to manage a large-scale data center and collect information from multiple Cisco NX-OS devices using Cisco NX-OS Data Management Engine model. Which technology should be used to accomplish this goal?

- **A. NX-API REST**
- B. JSON-RPC
- C. NETCONF
- D. NX Yang

**Answer: A**

Explanation:

Explanation

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/programmability/guide/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NX-OS\\_Programmability\\_Guide\\_7x/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NXOS\\_Programmability\\_Guide\\_7x\\_chapter\\_010001.pdf](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/programmability/guide/b_Cisco_Nexus_9000_Series_NX-OS_Programmability_Guide_7x/b_Cisco_Nexus_9000_Series_NXOS_Programmability_Guide_7x_chapter_010001.pdf)

#### NEW QUESTION # 190

An engineer must perform an initial configuration of VXLAN and MP-BGP EVPN on the Cisco Nexus 9000 Series platform. The underlay must be OSPF, and the VTEP must run with distributed default gateway on a VLAN interface. Which command set must be applied to meet these requirements?

- **A. Option B**
- B. Option A
- C. Option D
- D. Option C

**Answer: A**

#### NEW QUESTION # 191

Refer to the exhibit. An engineer must create a scheduler task on a Cisco Nexus 9000 Series Switch at 06:00 AM. The task must save the running configuration to a file in the bootflash, then transfer the file from the bootflash to a TFTP server. Which command must the scheduler task run after the running configuration is copied to the bootflash?

- **A. copy bootflash/\${TIMESTAMP}-cfg.\${SWITCHNAME} tftp://192.168.2.1/**
- B. scheduler schedule name dailydbbackup
- C. scheduler job name backup-cfg
- D. cli var name timestamp \${TIMESTAMP}

**Answer: A**

#### NEW QUESTION # 192

Refer to the exhibit.

What is the outcome of this command when the EPLD is updated on a Cisco Nexus 9000 series switch?

- A. displays the compatibility of the EPLD upgrade and the image in the bootflash
- B. shows a simulated upgrade of the EPLD

- C. upgrades the EPLD on the switch disruptively
- D. displays the impact of the upgrade on the operation of the switch

**Answer: D**

Explanation:

You can use the `show install impact epld bootflash:` command to determine whether the EPLDs can be upgraded for all the modules or for specific modules on a switch. This command indicates the current EPLD images, new EPLD images, and whether the upgrades would be disruptive to switch operations. <https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/epld/n9k-epld-m-61.html>

### NEW QUESTION # 193

An engineer is performing a configuration on a Cisco Nexus 5000 Series Switch. The requirement is for the current Fibre Channel IDs in VSAN 120 to be saved across reboots. The Cisco environment also must integrate with a third-party solution that requires persistent Fibre Channel IDs for the VSAN. The WWN of the Cisco switch must be 33:e8:00:05:30:00:16:df and its Fibre Channel ID 0x070128. Which command set meets these requirements?

- A. `vsan 120 wwn 33:e8:00:05:30:00:16:df fcid 0x070128`  
`fcdomain fcid preserve vsan 120`
- B. `fcdomain fcid database`  
`vsan 120 wwn 33:e8:00:05:30:00:16:df fcid 0x070128`  
`fcdomain fcid persistent vsan 120`
- C. `fabric-binding database vsan 120`  
`vsan 120 wwn 33:e8:00:05:30:00:16:df fcid 0x070128`
- D. `vsan 120 wwn 33:e8:00:05:30:00:16:df fcid 0x070128`  
`fabric-binding activate vsan 120`  
`purge fcdomain fcid vsan 4`

**Answer: B**

Explanation:

[https://www.cisco.com/en/US/docs/storage/san\\_switches/mds9000/sw/rel\\_1\\_x/1\\_0\\_2a/san-os/configuration/guide/Domains.pdf](https://www.cisco.com/en/US/docs/storage/san_switches/mds9000/sw/rel_1_x/1_0_2a/san-os/configuration/guide/Domains.pdf)

### NEW QUESTION # 194

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