

# CONTENTS

<b>1. OVERVIEW</b> .....	1
<b>2. EXAMINATION ITEM DESCRIPTION</b> .....	1
<b>2.1 EXAMINATION INTRODUCTION</b> .....	1
<b>2.2 REGISTRATION</b> .....	1
<b>3. KNOWLEDGE POINTS DISTRIBUTION</b> .....	2
CAMPUS NETWORK OVERVIEW .....	2
VLAN TECHNOLOGIES.....	2
SPANNING TREE PROTOCOL .....	2
HIGH AVAILABILITY TECHNOLOGIES .....	2
IP MULTICAST .....	2
CAMPUS NETWORK SECURITY.....	2
CAMPUS NETWORK MANAGEMENT AND MAINTENANCE.....	3



# 1. Overview

This document is the syllabus for the *Building H3C High-Performance Campus Network V2.0* course. It mainly introduces the examination content of the *Building H3C High-Performance Campus Network V2.0* course. This document is prepared by H3C University and is mainly used to guide the candidates who participate in the *Building H3C High-Performance Campus Network V2.0* course examination.

## 2. Examination Item Description

### 2.1 Examination Introduction

#### Participants

There are no special requirements for candidates in this examination. Any person who is not specifically prohibited by H3C can register for the examination directly.

#### Contents

The examination content includes but is not limited to the content covered by the *Building H3C High-Performance Campus Network V2.0* course. Most of examination knowledge comes from teaching materials and training, but individual topics may be beyond the scope of the teaching materials and training.

#### Examination Code

GB0-371

#### Examination Name

Building H3C High-Performance Campus Network 2.0

#### Participants

There are no special requirements for candidates in this examination. Any person who is not specifically prohibited by H3C can register for the examination directly.

#### Duration

60 minutes

#### Number of Questions

50 single/multiple choice questions, judgment questions, and gap filling questions

#### Pass Score

The total score is 1000 points. A candidate is considered to pass the examination with at least 540 points.

### 2.2 Registration

This certification examination is conducted by the PROMETRIC Test Platform. If you want to take this certification examination, Visit PROMETRIC's official website ([www.prometric.com](http://www.prometric.com)) to inquire and contact the test center for registration.

### 3. Knowledge Points Distribution

The following describes the distribution of knowledge points in the GB0-371 examination.

#### Campus Network Overview

**Enterprise network model:** SOA-based network architecture, hierarchical network model, and H3C enterprise network architecture

**Campus network model and typical campus network deployment:** campus network structure, campus network requirements and related technologies, and typical campus network deployment

#### VLAN Technologies

**Basic VLAN technologies:** VLAN, IEEE 802.1Q, switch port type, and MVRP protocol

**VLAN extension technology:** Super VLAN and Isolate-user-VLAN

**Inter-VLAN routing:** L3 switch principles and inter-VLAN routing configuration

#### Spanning Tree Protocol

**STP/RSTP/MSTP:** concept, work process, characteristics, and configuration

#### High Availability Technologies

Principles, characteristics, and basic configuration of link aggregation

Basic principles, characteristics, and configuration of the Smart Link and Monitor Link

Basic principles, characteristics, and configuration of the RRPP

Basic principles, characteristics, and configuration of the VRRP

Basic principles, characteristics, and configuration of the IRF

#### IP Multicast

**Basic concepts of IP multicast:** functions and characteristics of multicast, multicast address, and RPF forwarding

**Multicast group management:** principles and configurations of IGMPv2, IGMPv3, and IGMP Snooping

**Multicast routing protocols:** principles and configurations of PIM-DM, PIM-SM, and PIM-SSM

Multicast VLAN: principles and configurations

#### Campus Network Security

**Overview of campus network security:** major content of campus network security, common security threats, and major security and protection measures

**AAA:** AAA concepts and architecture, and principles and configurations of RADIUS and TACACS+

**Port access control:** 802.1X, Dynamic VLAN and Guest VLAN, MAC address authentication, Port Security

**Network access control:** EAD solution, Portal authentication, and Ethernet access control list

**SSH:** functions, features, principles, and configurations

## **Campus Network Management and Maintenance**

**Overview of campus network maintenance and management:** objectives, demands and challenges of campus network management and maintenance, and major management and maintenance technologies

SNMP principles and configurations

**Cluster management technology:** basic concepts, principles, characteristics, configurations, and applications

**LLDP:** protocol principles and basic configurations

**Mirroring technology:** principles and configurations of port mirroring, remote mirroring, and stream mirroring

**NTP:** basic principles and configurations

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### **Note:**

The information provided in this document is for reference only and H3C reserves the rights to adjust the questions, time, and scores without notifying candidates.

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