Exam Description: The Implementing Cisco Unified Communications Manager, Part 1 (CIPT1) version 8.0 642-447 exam is a 90-minute test with 65–75 questions that are associated with the Cisco CCNP® Voice certification. This exam tests a candidate's skills in installing and configuring a Cisco Unified Communications Manager solution in a single site and focuses primarily on Cisco Unified Communications Manager Release version 8.0, the call routing and signaling component for the Cisco Unified Communications solution. Candidates can prepare for this exam by taking the Implementing Cisco Unified Communications Manager, Part 1 (CIPT1) version 8.0 course. The exam is closed book and no outside reference materials are allowed.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. In order to better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

22% 1.0 Perform Initial Setup of a Cisco Unified Communications Manager Cluster
1.1 Describe Cisco unified communications manager cluster architecture
1.2 Describe Cisco unified communications manager redundancy designs
1.3 Describe the requirements for Cisco unified communications manager use of DHCP, TFTP, DNS, and NTP
1.4 Determine the services necessary to support a Cisco unified communications manager deployment and activate the appropriate services

17% 2.0 Describe and Configure Cisco Unified Communications Manager to Support On-Cluster Calling
2.1 Configure a Cisco unified communications manager group
2.2 Configure Cisco unified communications manager profiles and device pools
2.3 Configure Cisco unified communications manager templates
2.4 Manage phones and users using Cisco unified communications manager bulk administration tool
2.5 Describe the tool for auto-registered phones support functionality

30% 3.0 Describe and Configure a Route Plan for Cisco Unified Communications Manager to Support Off-Net Calling
3.1 Describe Cisco unified communications manager digit analysis
3.2 Implement gateways
3.3 Configure route patterns
3.4 Configure route lists and route groups
3.5 Implement toll-fraud prevention
3.6 Configure digit manipulation
3.7 Describe the functions and usage of calling search spaces and partitions
3.8 Implement calling privileges

25%  4.0 Describe and Configure Cisco Unified Communications Manager Media Resources
4.1 Describe media resources
4.2 Configure meet me conferencing and software conferencing resources
4.3 Configure music on hold
4.4 Configure media resource groups and media resource group lists

6%  5.0 Describe and Configure the Cisco Unified Communications Manager to Support Features and Applications
5.1 Configure IP phone services
5.2 Configure Cisco unified communications manager native presence features