

## CERTIFICATE IN COMPUTER NETWORK ADMINISTRATION (EXPLORATION)

### Programme Highlights

- I There are two courses in Computer network programme namely; ( i.) Certificate Course in Computer Network Administration (Discovery) and (ii).Certificate Course in Computer Network Administration (Exploration)
- I The NOU Certificate Course in Computer Network Administration is being run in collaboration with Cisco Systems inc.
- I Highly recognized certification by IT industry world for networking related software professionals.
- I Exclusive Networking lab with Cisco Manageable SWITCHES and ROUTERS.
- I Hands on experience in real life WAN environment.
- I Experienced Cisco Certified Academy Instructors (CCAI).
- I Guest Faculty from Industries /Institutions.
- I Online study Learning Materials
- I After the completion of the course and clearing all the papers, Course Completion Certificate will be issued separately by Nalanda Open University & Cisco systems. A brief description of the courses has been given below:-

### Structure and Brief Syllabi of CCNA (Exploration)

The minimum qualification for admission in the course is Graduate in Science and duration of the course is 6 months.

The Networking Associate curriculum centers on teaching students to design build and maintain computer networks. The programme prepares students for the 21st Century workplace. The topics covered in the curriculum are also useful for maintaining non-Cisco networks. While Cisco equipment is used to practice and reinforce certain concepts, students gain broad knowledge in the operation of networks, the difference between various types of networking products, how to design and troubleshoot networks and other general topics

\* There shall be theory & practical exam for each paper. Each paper will be of 100 Marks. The theory exam. will be of 80 Marks and the practical exam will be of 20 Marks. Students will have to secure 45 Marks altogether (Theory + Practical) in each paper for clearing a paper. If a student falls in one of more papers he/she will be required to clear only that paper in which he/she has been declared fail subject of maximum three papers. Only after clearing all the papers, Certificate from Nalanda Open University will be issued to the students.

\* For getting course completion certificate of CCNA Exploration from CISCO a student will have to clear Chapter wise on line examination, Module wise on line examination for each module & Practical skill test through the CISCO Academy Server. All these examination will be conducted at Nalanda Open University Computer Lab, Patna.

This course is divided into 4 papers; each carrying 100 marks. The distribution of marks between written examination, assignment and practical work will be as follows:

Paper	Title of the paper	Distribution of Marks Between Theory and Practical /Assignment			Minimum Marks required to pass the examination (written exam. + practical/ Assignment taken together)
		Written exam	Assignment	Practical	
1.	Network Fundamentals	80	-	20	45
2.	Routing Protocols and Concepts	80	-	20	45
3.	LAN Switching and Wireless	80	-	20	45
4	Accessing the WAN	80	-	20	45
	Total	320	-	80	180