**UNIT V**

**Session 1 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on RSVP - Goals & Characteristics

**Quiz**

The students prepare the questions and ask the group.

Sample questions are

1. Define dynamic reservations
2. What is channel selection?
3. What is data aggregation?

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**Session 2 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Data Flow RSVP operations

Summarization by learners

The student groups allowed discussing among themselves and the key learning summarized by a group leader.

Some of the key learning is

1. Data flow identified by destination
2. Resources allocated by router for duration of session

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**Session 3 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Multiprotocol Label Switching

(MPLS)

**Crossword puzzles**

We can encourage the students to solve the crossword puzzle so as to recap the concept s of MPLS

The sample words and clues are

MPLS: multiprotocol label switching

Egress node: exit node

Ingress node: entry node

LSP: label switching path

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**Session 4 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Operations

Summarization by learners

The student groups allowed discussing among themselves and the key learning summarized by a group leader.

Some of the key learning is

1. Label switched routers capable of switching and routing packets based on label appended to packet
2. Labels define a flow of packets between end points or multicast destinations
3. Each distinct flow (forward equivalence class – FEC) has specific path through LSRs defined

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**Session 5 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Label stacking

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**Session 6 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Protocol details

**Crossword puzzles**

We can encourage the students to solve the crossword puzzle so as to recap the concept s of Protocol details

The sample words and clues are

TTL: time to live

LIFO: last in first out

OSPF: open shortest path first

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**Session 7 Activity**

**Analogies**

Giving known example to connect the new concepts

Sample

Online and real time: RTP

Summarization by learners

The student groups allowed discussing among themselves and the key learning summarized by a group leader.

Some of the key learning is

1. Close coupling between protocol and application layer functionality
	* Framework for application to implement single protocol
2. Application level framing
3. Integrated layer processing

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**Session 8 Activity**

**Analogies**

Giving known example to connect the new concepts

Sample

RTP Data transfer protocol: post and mails

**Crossword puzzles**

We can encourage the students to solve the crossword puzzle so as to recap the concept s of RTP data transfer protocol

The sample words and clues are

Multicast: one to many

Unicast: one to one

RTCP: real time transport control protocol

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**Session 9 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on RTCP (RTP Control Protocol)

**Crossword puzzles**

We can encourage the students to solve the crossword puzzle so as to recap the concept s of RTCP

The sample words and clues are

SSRC: synchronizing source identifier, CSRC: contributing source identifier, CC: CSRC count

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