**UNIT III**

**Session 1 Activity**

**Crossword puzzles**

We can encourage the students to solve the crossword puzzle so as to recap the Frame Relay Congestion Control

The sample words and clues are

Discard: congestion control strategy

Monopolization: extended service set

Fair: allocation of resources

**Brainstorming**

A list of ideas spontaneously contributed by the students on TCP Flow control

TCP Congestion Control and Retransmission

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**Session 2 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Timer Management

Exponential RTO back off

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. Calculation of RTO
2. Algorithms for RTO

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**Session 3 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on KARN’s Algorithm

Window management

**Crossword puzzles**

We can encourage the students to solve the crossword puzzle so as to recap the concept s of KARN’s Algorithm

The sample words and clues are

RTT: round trip time

SRTT: smooth round trip time

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**Session 4 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Performance of TCP over ATM

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. Segment size
2. QoS
3. Policies

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**Session 5 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Traffic and Congestion control in ATM

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. Control needed to prevent switch buffer overflow
2. High speed and small cell size gives different problems from other networks
3. Limited number of overhead bits

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**Session 6 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Requirements

Attributes

**Crossword puzzles**

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

The sample words and clues are

ABR: Available bit rate

GFR: generic frame rate

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**Session 7 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Traffic Management Frame work

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. Support QoS for all foreseeable services
  2. Not rely on network specific AAL protocols nor higher layer application specific protocols
  3. Minimize network and end system complexity
  4. Maximize network utilization

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**Session 8 Activity**

**Analogies**

Giving known example to connect the new concepts

Sample

Road signal: messages

Traffic inspector: controls

**Crossword puzzles**

We can encourage the students to solve the crossword puzzle so as to recap the concept s of ATM traffic management

The sample words and clues are

CAC: connection admission control

UPC: usage parameter control

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**Session 9 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on Rate control

and RM cell formats

**Crossword puzzles**

We can encourage the students to solve the crossword puzzle so as to recap the concept s of Rate control and RM cell formats

The sample words and clues are

ECR: Explicit cell rate

CRC: cyclic redundancy check

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**Session 10 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on ABR Capacity allocations

**Crossword puzzles**

We can encourage the students to solve the crossword puzzle so as to recap the concept s of ABR Capacity allocations

The sample words and clues are

ACR: allowed cell rate

FRTT: fixed round trip time

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**Session 11 Activity**

**Brainstorming**

A list of ideas spontaneously contributed by the students on GFR traffic management

**Crossword puzzles**

We can encourage the students to solve the crossword puzzle so as to recap the concept s of GFR traffic management

The sample words and clues are

F-GCRA: Generic cell rate algorithm

UPC: usage parameter control

MFS: Maximum frame size

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