Daffodil International University
Network Security
Assignment, Section-A, 173-16-219
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **172.16.72.0/18.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **three subnets of 1,000** hosts, **three subnets of 250 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will need **1,000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need three subnets where you need **1000 hosts**, so that we will be able to identify the reserved subnets.

  1.
  2.
  3.

Step 3: For **250 Hosts y**ou are requested to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

  1.
  2.
  3.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A, 173-16-228
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **172.16.80.0/19.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **three subnets of 500 hosts, six subnets of 245 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 500**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **three subnets where you need 500 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **245 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Your Company has been given you the network address **172.100.85.0/17.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **three subnets of 1000 hosts, four subnets of 245 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 1000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **three subnets where you need 1000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **245 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A, 183-16-380
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **172.16.65.0/18.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **Five subnets of 500 hosts, four subnets of 200 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 500**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **Five subnets where you need 500 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **200 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A, 183-16-395
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **120.160.86.0/11.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **four subnets of 2000 hosts, five subnets of 250 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 2000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 2000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **250 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A, 191-16-397
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **126.116.86.0/10.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **four subnets of 4000 hosts, three subnets of 1000 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 4000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **four subnets where you need 4000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **1000 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A, 191-16-399
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **125.167.86.0/11.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **four subnets of 3500 hosts, Five subnets of 550 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 3500**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **four subnets where you need 3500 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **550 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-400
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **121.17.86.0/12.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 4000 hosts, Ten subnets of 550 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 4000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 4000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **550 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-402
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **122.171.86.0/13.**
After careful planning, looking at current needs and expansion, you realized you need a
maximum of **five subnets of 4000 hosts, Ten subnets of 550 hosts**, and several subnets for serial
point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 4000**, so you decide to make
the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 4000 hosts**, so that we will be able to identify
the reserved subnets.

Step 3: For **550 Hosts you are requested** to use any network from reserved but remember it
chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the
first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-403
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **123.180.86.0/14.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 3000 hosts, Five subnets of 550 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 3000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 3000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **550 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-405
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **118.160.86.0/15.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 3000 hosts, Five subnets of 600 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 3000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 3000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **600 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-406
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **119.116.86.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 4000 hosts, Five subnets of 600 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 4000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 4000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **600 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-407
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **112.155.80.0/17.**
After careful planning, looking at current needs and expansion, you realized you need a
maximum of **five subnets of 3000 hosts, Five subnets of 550 hosts**, and several subnets for serial
point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 3000**, so you decide to make
the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 3000 hosts**, so that we will be able to identify
the reserved subnets.

Step 3: For **550 Hosts you are requested** to use any network from reserved but remember it
chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the
first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-408
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **113.160.180.0/18.**
After careful planning, looking at current needs and expansion, you realized you need a
maximum of **five subnets of 2000 hosts, Five subnets of 510 hosts**, and several subnets for serial
point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 2000**, so you decide to make
the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 2000 hosts**, so that we will be able to identify
the reserved subnets.

Step 3: For **510 Hosts you are requested** to use any network from reserved but remember it
chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the
first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-410
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **114.155.190.0/12.**
After careful planning, looking at current needs and expansion, you realized you need a
maximum of **five subnets of 3000 hosts, Five subnets of 550 hosts**, and several subnets for serial
point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 3000**, so you decide to make
the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 3000 hosts**, so that we will be able to identify
the reserved subnets.

Step 3: For **550 Hosts you are requested** to use any network from reserved but remember it
chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the
first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-411
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **141.155.190.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 2000 hosts, Five subnets of 550 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 2000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 2000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **550 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-414
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **141.155.190.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 1000 hosts, Three subnets of 450 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 1000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 1000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **450 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-415
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **170.155.180.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 510 hosts, Three subnets of 350 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 510**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 510 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **350 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-416
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **180.155.180.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 1010 hosts, Three subnets of 350 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 1010**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 1010 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **350 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-417
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **191.144.180.0/12.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 3000 hosts, Three subnets of 320 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 3000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 3000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **320 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-418
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **171.144.180.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 4000 hosts, Three subnets of 420 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 4000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 4000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **420 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-420
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **126.140.170.0/8.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 4000 hosts, Three subnets of 510 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 4000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 4000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **510 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-421
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **125.130.160.0/8.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 5000 hosts, Three subnets' of 1000 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 5000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 5000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **1000 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-422
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **125.130.160.0/8.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 6000 hosts, Three subnets' of 2000 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 6000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

Step 2: You only need **five subnets where you need 6000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For 2**000 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-423
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **129.130.150.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 3000 hosts, Three subnets' of 1000 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 3000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 3000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **1000 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-424
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **129.130.150.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 2000 hosts, Three subnets' of 500 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 2000**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 2000 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **500 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-425
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **130.140.150.0/17.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 3050 hosts, Three subnets' of 510 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 3050**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 3050 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **510 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-432
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **113.130.140.0/10.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 4050 hosts, Three subnets' of 1020 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 4050**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 4050 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **1020 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-433
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **115.130.140.0/9.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 6050 hosts, Three subnets' of 1020 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 6050**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 6050 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **1020 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-435
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **122.130.140.0/8.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 6050 hosts, Three subnets' of 2020 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 6050**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 6050 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **2020 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-436
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **132.130.140.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 4040 hosts, Three subnets' of 510 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 4040**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 4040 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **510 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-439
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **132.130.140.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 5040 hosts, Three subnets' of 1010 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 5040**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 5040 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For 1**010 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-440
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **123.120.130.0/10.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 5040 hosts, Three subnets' of 1010 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 5040**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 5040 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **1010 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-442
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **115.130.140.0/8.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 8040 hosts, Three subnets' of 3010 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 8040**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 8040 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **3010 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets:

Daffodil International University
Network Security
Assignment, Section-A
191-16-443
Marks: 35 (Theory 20 Viva 15)
Deadline: March 15, 2021

Your Company has been given you the network address **145.120.130.0/16.**
After careful planning, looking at current needs and expansion, you realized you need a maximum of **five subnets of 4045 hosts, Three subnets' of 521 hosts**, and several subnets for serial point-to-point links.

Step 1: The maximum number of hosts any of your subnets will **need 4045**, so you decide to make the initial subnet _____. Write out the available subnets in decimal form:

3Step 2: You only need **five subnets where you need 4045 hosts**, so that we will be able to identify the reserved subnets.

Step 3: For **521 Hosts you are requested** to use any network from reserved but remember it chooses the best practice for minimizing the wastage of the IP.

Step 4: For Serial point-to-point connectivity, you will choose and listed the best practice. List the first five /30 sub-sub-subnets: