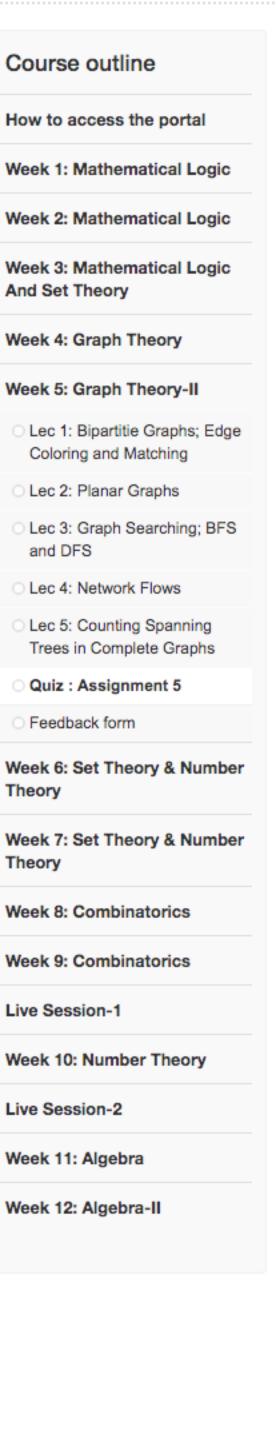
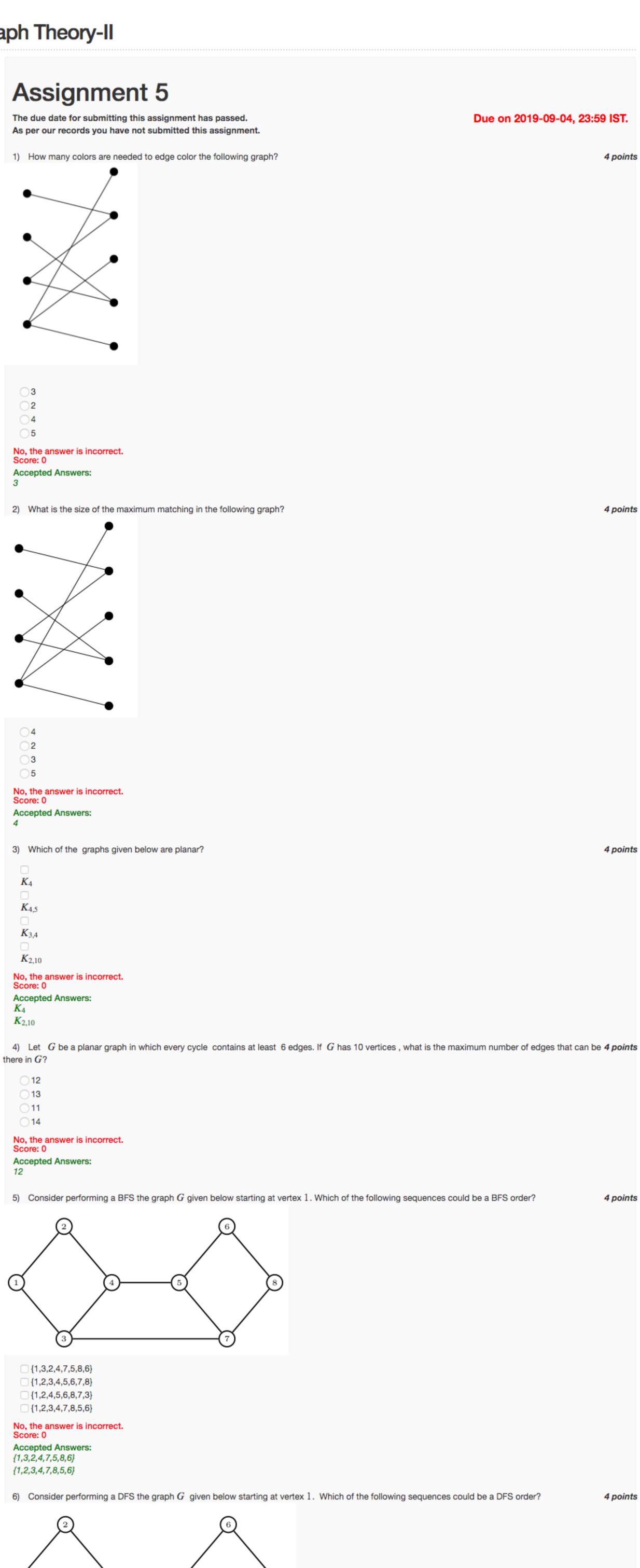
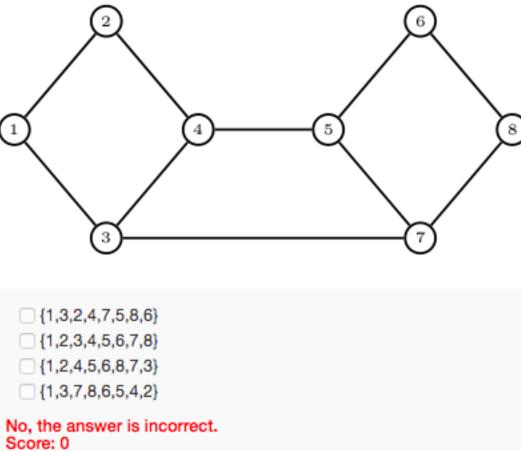
NPTEL » Discrete Mathematics (IITG)

Unit 6 - Week 5: Graph Theory-II







The max flow from 1 to 8 is at most 15. The max flow from 1 to 8 could be 20.

10

7) Consider the capacitated graph G given below. Note that the capacities of certain edges have been left out.

8) Consider the sequence S = 1, 2, 1, 2, 4, 4. Let S be the the Prufer code corresponding to some tree T.

No, the answer is incorrect. Score: 0 Accepted Answers: The max flow from 1 to 8 is at most 15. The max flow from 1 to 8 is at least 1.

What is the degree of the vertex 2 in T?

No, the answer is incorrect.

No, the answer is incorrect.

Accepted Answers: {1,1,5,9,10,10,9,5}

Score: 0

9) How many spanning trees does K_6 have?

Accepted Answers:

○ 3 **2**

4

1

Score: 0

1296 216

7776 40966

The max flow from 1 to 8 is at least 1.

The max flow from 1 to 8 is at least 2.

Accepted Answers:

Which of the following statements are true?

{1,2,4,5,6,8,7,3} {1,3,7,8,6,5,4,2}

No, the answer is incorrect. Score: 0 Accepted Answers: 1296 10) Consider the tree $\,T$ given below. What is the Prufer code corresponding to $\,T$? 6 {1,1,5,9,10,10,9,5} {2,3,1,4,6,7,8,9} (9,8,7,6,4,1,3,2) (5,9,10,10,9,5,1,1)

4 points The values indicated in red color are the capacities of the corresponding edges. Assume of the missing capacities are non negative (could be zero as well).

4 points

4 points

4 points