



PRESIDENCY UNIVERSITY, BENGALURU

SCHOOL OF ENGINEERING

Weightage: 20 %

Max Marks: 40

Max Time: 75 Mins

Monday, 24th September 2018

TEST- 1

Odd Semester 2018-2019

Course: CIV 209 - Structural Analysis - II

V.Sem Civil

Instructions:

- Write legibly and draw clear diagrams wherever required.
- Diagrams to be drawing using a pencil and scale only. Pen diagrams will be penalized.
- Scientific and non-programmable calculators are permitted.

Part A

(1 Q x 20 M = 20 Marks)

- Analyse the given continuous beam shown in figure 1 by slope deflection method. Draw the Bending Moment Diagram (BMD) and Shear Force Diagram (SFD).

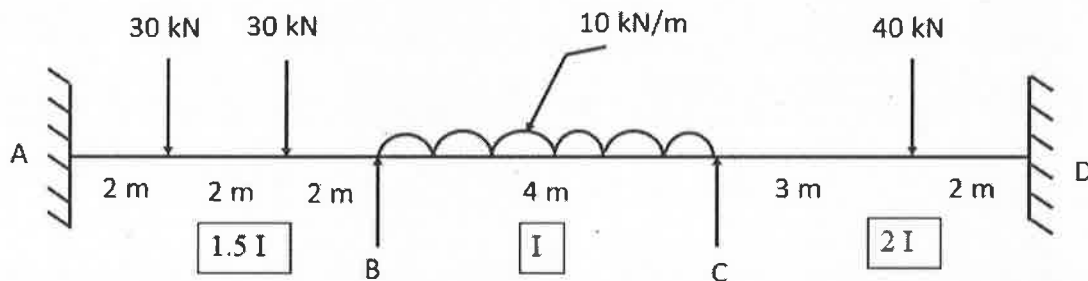


Figure 1

Part B

(1 Q x 20 M = 20 Marks)

- Analyse the given frame shown in figure 2 by slope deflection method. Draw the Bending Moment Diagram (BMD).

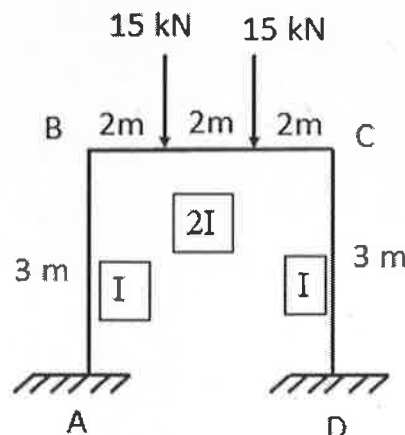


Figure 2



**PRESIDENCY UNIVERSITY,
BENGALURU**

SCHOOL OF ENGINEERING

TEST 2

Odd Semester: 2018-19

Course Code: CIV 209

Course Name: Structural Analysis - II

Branch & Sem: CIV & V Sem

Date: 24 November 2018

Time: 1 Hour 15 mins

Max Marks: 40

Weightage: 20%

Instructions:

- (i) Write legibly and draw clear diagrams wherever required.
- (ii) Diagrams to be drawing using a pencil and scale only. Pen diagrams will be penalized.
- (iii) Scientific and non-programmable calculators are permitted.

Part A

(1x20=20)

1. Analyse the given continuous beam shown in figure 1 by moment distribution method. Draw the Bending Moment Diagram (BMD) and Shear Force Diagram (SFD).

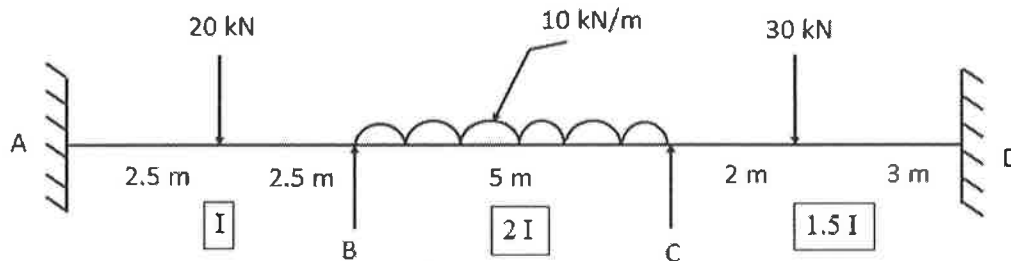


Figure 1

Part B

(1x20=20)

2. Analyse the given frame shown in figure 2 by moment distribution method. Draw the Bending Moment Diagram (BMD).

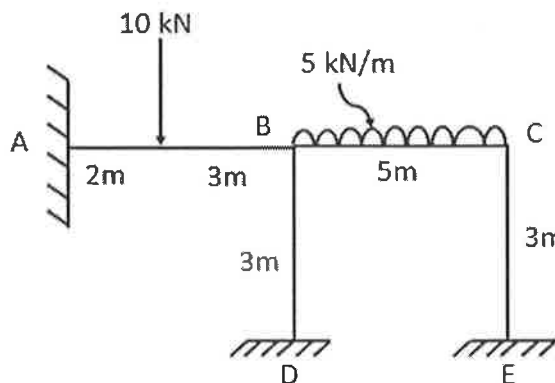


Figure 2



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**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF ENGINEERING

END TERM FINAL EXAMINATION

Odd Semester: 2018-19

Date: 24 December 2018

Course Code: CIV 209

Time: 2 Hours

Course Name: Structural Analysis - II

Max Marks: 80

Programme & Sem: CIV & V Sem

Weightage: 40%

Instructions:

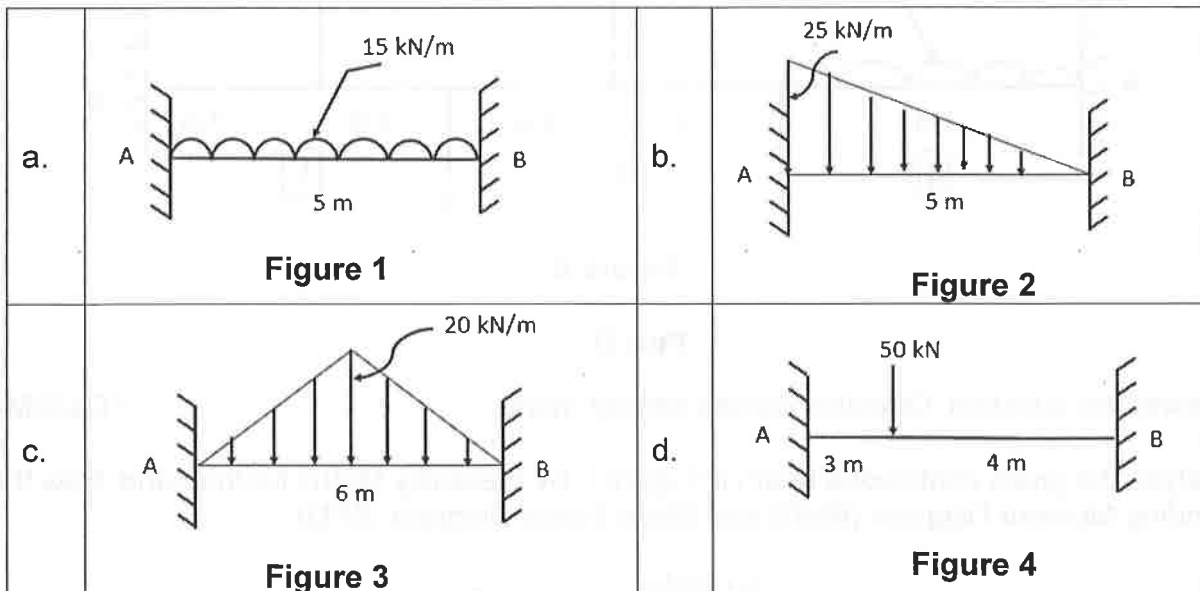
- (i) Write legibly and draw clear diagrams wherever required.
- (ii) Diagrams to be drawing using a pencil and scale only. Pen diagrams will be penalized.
- (iii) Scientific and non-programmable calculators are permitted.

Part A

Answer **all** the Questions. Each question carries **five** marks.

(4Qx5M=20)

1. Calculate the Fixed End Moments for the beams shown in figures 1 to 4 below:



Part B

Answer **all** the Questions. **Each** question carries **twenty** marks.

(1Qx20M=20)

2. Analyse the given frame section in Figure 5 by Kani's Method and draw the Bending Moment Diagram (BMD).

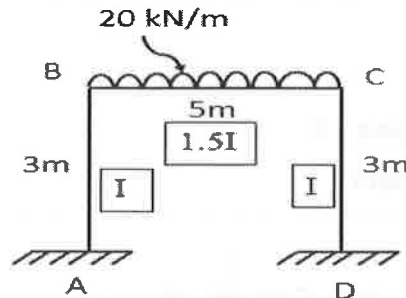


Figure 5

Part C

Answer the Question. **Each** question carries **twenty** marks.

(1Qx20M=20)

3. Analyse the given continuous beam in Figure 6 by Stiffness Matrix Method and draw the Bending Moment Diagram (BMD) and Shear Force Diagram (SFD)

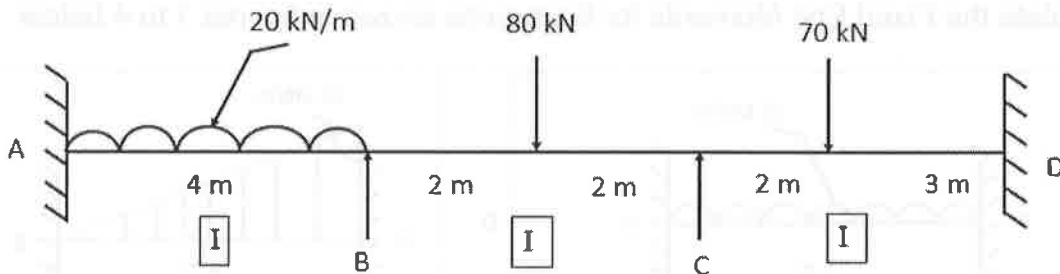


Figure 6

Part D

Answer the question. Question carries **twenty** marks.

(1Qx20M=20)

4. Analyse the given continuous beam in Figure 7 by Flexibility Matrix Method and draw the Bending Moment Diagram (BMD) and Shear Force Diagram (SFD)

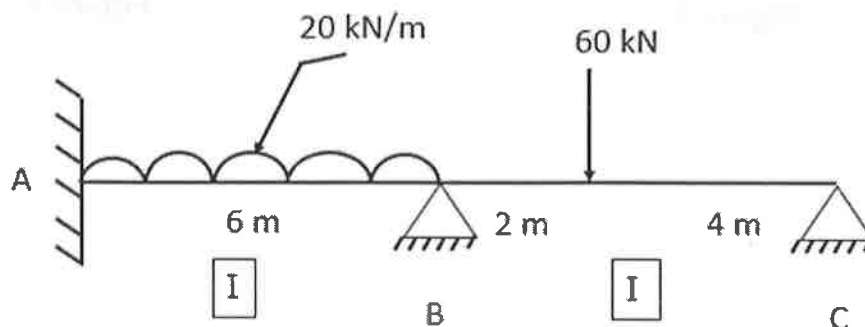


Figure 7



Roll No.

**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF ENGINEERING

END TERM FINAL EXAMINATION

Odd Semester: 2018-19

Course Code: CSE 218

Course Name: Human Computer Interaction

Programme & Sem: CSE & VII Sem Group -1

Date: 24 December 2018

Time: 2 Hours

Max Marks: 80

Weightage: 40%

Instructions:

- (i) Read the question properly and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and Non-programmable calculators are permitted.

Part A

Answer **all** the Questions. **Each** question carries **ten** marks.

(3Qx10M=30)

1. Explain the role of cognition in human computer interaction.
2. Identify any five goals of collaboration and participation interfaces.
3. Case study – Presidency University is conducting a competition for their students, for which students have to design website for university. The best web design will be finalized as university official website.

Assume that you are one the person participating in the competition and suggest any 5 principles that you implement for designing your interface and give reasons why they are implemented.

Part B

Answer **all** the Questions. **Each** question carries **fifteen** marks.

(2Qx15M=30)

4. "Social impact statement helps to promote high quality in government related application" Justify the statement.
5. Designing universally usable interface is impossible? Support your answer.

Part C

Answer the Question. Question carries **twenty** marks.

(1Qx20M=20)

6. Case study – 'Tourist India' is a tourism website which provides information regarding various tourist places in India. The website wants to make an updation to provide virtual tour of tourist places to their web users. For that an interface development team has been selected to design virtual tours. Improving Information Visualization is the main theme of updating the website.

Assume that you are part of the team selected for updating the website. Discuss about various opportunities and challenges you will face during the process of improving the information visualization.