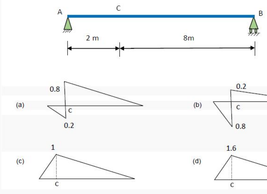
Unit 8 - Week 6

Assignment 6

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-09-11, 23:59 IST.

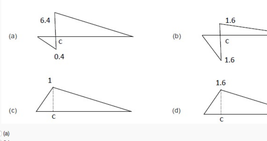
1) Choose the correct influence line diagram for the shear at point C of the following beam — 2 points



(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)

2) Choose the correct influence line diagram for the bending moment at point C of the beam shown in Question no 1 — 2 points



(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(d)

3) The ratio of ordinate value at A and at D for ILD of the vertical reaction at D taking the modulus of each value — 2 points

a) 0.25
b) 0.5
c) 1
d) 1.5

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)

4) The maximum ordinate value of the ILD for vertical reaction at D will lie on — 2 points

a) A
b) B
c) C
d) D

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)

5) The absolute maximum bending moment at C when a uniformly distributed load of intensity 5 kN/m longer than the span, moves from left to right of the following beam — 2 points

a) 90 KNm
b) 180 KNm
c) 202.5 KNm
d) None of this

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)

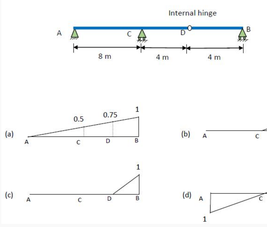
6) The absolute maximum shear force at C of the beam shown in Question no 5 — 2 points

a) 10 KN
b) 15 KN
c) 20 KN
d) 45 KN

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(c)

7) Choose the correct option for ILD of support reaction at B — 2 points



(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(c)

8) An UDL of intensity 5 kN/m and length 2 m passing through a simply supported beam of span 10 m. The absolute maximum shear force at a section 4 m from the left support is — 2 points

a) 5 KN
b) 10 KN
c) 15 KN
d) 20 KN

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)

9) The absolute maximum bending moment at the section 4 m from the left support for the Question no 8 is — 2 points

a) 10.8 KNm
b) 21.6 KNm
c) 32.4 KNm
d) None of this

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)

10) The absolute maximum bending moment in a simply supported beam of length 20 m, subjected to a set of three loads (shown below) which move from left to right is — 2 points

a) 12.375 KNm
b) 24.75 KNm
c) 247.5 KNm
d) None of this

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(c)

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