Week 5 Assignment 1

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

Answer the following question

1) [ ]

a) 3 – a, 4 – b, 1 – c, 2 – d
b) 3 – d, 2 – c, 1 – b, 4 – a
c) 3 – d, 4 – b, 1 – c, 2 – a
d) 3 – a, 4 – c, 1 – b, 2 – d

No, the answer is incorrect.
Score: 0

Accepted Answers:
a) 3 – a, 4 – b, 1 – c, 2 – d

2) 2. For staggered grids velocity is stored at _____________. (cell center/cell faces)

No, the answer is incorrect.
Score: 0

Accepted Answers:
(Type: String) Cell faces

3) [ ]

(a) 1 – 2 – 3 – 4 – 5
(b) 1 – 4 – 2 – 5 – 3
(c) 1 – 5 – 3 – 4 – 2
(d) 2 – 3 – 5 – 4 – 1

No, the answer is incorrect.
Score: 0

Accepted Answers:
(b) 1 – 4 – 2 – 5 – 3

4) [ ]

a) a – h, b – e, c – f
b) a – f, b – h, c – e
c) a – h, b – f, c – e
d) a – e, b – f, c – h

No, the answer is incorrect.
Score: 0

Accepted Answers:
a) a – h, b – e, c – f
No, the answer is incorrect.
Score: 0
Accepted Answers:

b) $a - f$, $b - h$, $c - e$

5) Flow is from right to left assuming standard

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

6) Projection method discards the pressure gradient term in the corrector step.

No, the answer is incorrect.
Score: 0
Accepted Answers:
False

7) The pressure field associated with a CFD simulation has oscillations with high spatial frequency. Grid arrangement can have effects on the solution.

No, the answer is incorrect.
Score: 0
Accepted Answers:
True

8) In Richardson extrapolation, one can estimate ___________

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