Test in *Project Management Basics*; Dec 10th 2016 08³⁰-10³⁰

Course: TEK366 (DIT844), TEK452 (also re-exam for IBB135LP4, TEK365, TIF180, IPR010-1, CIU260)
Visit: Jan Wickenberg (031-772 8331), circa 09¹⁵
Scope: The Maylor text book (4th edition)
Scoring: Total maximum is 20 points, each question is maximum two points.
Eight points are required to pass.
Results: Results are posted on the course Home Page within three weeks
Aids: Neither learning aids (e.g. books, notes), nor calculators are allowed
Sheets: If you want to increase the risk of your efforts becoming unnoticed, ignore the rule of only one answer per paper sheet

Please check: course code on cover page, only one answer per sheet, answers in numerical order. And would you belong to an older course than 2016-17, please put a big ☆ by the course code on the cover page.

Activity	Duration (weeks)	Preceding activity
A	1	-
B	1	-
C	1	A, B
D	1	-
E	4	-
F	1	C
G	1	C, I
H	1	C, I
I	2	D

1. Draw the *A-on-N* network (above). Include EST, LST, duration and float for each node in your drawing. State the total duration. Mark all critical path arrows by double-slashing: ——//——➤

   Total duration is 4, critical paths: DIG, DIH and E

2. Describe the *lifecycle of quality circles.* (p248)

3. For each of (a) and (b), name the 4D phase that contains it: (a) *improving project performance*, and (b) *supply chain issues*. (p129)

4. Describe the *stage-gate system*. (p110)

5. Explain the differences between *performance* and *conformance*. (p86)

6. A commonly used activity-on-node linkage is the *finish-to-start* linkage, but there are also three others. Name and draw those three. (p137)

7. Which are the necessary components in a *business case*? (p176, 184)

8. How is *earned value* calculated? Explain and give an example. (pp297)

9. What is a *dotted-line responsibility*, according to Maylor? (p245)

10. Students of Jan Wickenberg's courses (TEK366/DIT844, TEK452, IPR011, IBB135RP4) respond only to 10A, while students of Per Svensson's courses (IBB136RP2) respond only to 10B: (p247, slide)
    10A: What characterizes a project in the *collection phase*?
    10B: Draw *Mintzbergs graph on coordination mechanisms* and describe how the axes relate to uncertainty and complexity.

Good luck!