Part A:

1. a) 5.90176 Yrs. ROI- 0.36
   b) any functional requirements related to chess game
2. a) from slides
   b) slides+book
3. a) slides. BFS+DFS. Big projects where low-level components are risky.
   b) Name(Text Box), Student ID(Number field), Student type(Radio button),
   Level-Term(Combo box), Exam type(Combo box), Course ID(Combo Box), Course
   Title(Auto generated text field), Date(date time) Submit(Primary
   Button),Cancel(Secondary Button) -- with proper alignments & sequences
   Question 1,2,3,4,5(Numerical spinner), Total marks(Auto generated),Grade(Auto
   generated), Signature(Image field), Submit(Primary button), Cancel(secondary button)--
   with proper alignments & sequences
4. a) i) parallel in time & different in context of task
   ii) modified instead of waterfall.
   iii) NO, mainly use-case driven / YES, all model needs data
   iv) too many variables like customer behavior lead to changes in the cost curve.
   b) 32. T2-T7-T9-T14-T15
5. Possible solution: Shape(abstract area(), abstract other()), Circle extends Shape(
   area(), other()), Sphere(area(), other()), Controller(Shape object, necessary codes for
   MVC), Viewer(Controller object, all input and output), Main(Viewer object)

Part B:

1. Possible solution: Simulation related scenario. Normal program. Like, simulate a banking
   system with 100 customers. [create 100 customers and a bank. Then make transactions
   ]
2. No fixed solution