

# National University of Computer and Emerging Sciences, Lahore Campus



Course:	Professional Issue in IT	Course Code:	CS449
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Section:	A, B, C, D, E	Page(s):	4
Exam Type:	Midterm-1		

Student: Name: \_\_\_\_\_ Roll No. \_\_\_\_\_ Section: \_\_\_\_\_

Instruction/Notes: Attempt all questions on question paper in the space given below each question.

**QUESTION1: Why profession is divided on compulsory registration of software engineers? [5]**

- Unregistered coders can cause damage to life, property, privacy, etc. (2)
- Enforcing registration diff, most software writers: (3)
  - are not registered
  - can't fulfill the demand of code writing
  - central regulation can create monopolies, subject to all kind of abuse by govt, private industry, professional bodies.

**QUESTION2: State few arguments put in favor of Outsourcing. [5]**

(3+1+1)

- Obvious benefit in form of reduced cost / improved efficiency. / not having to reinvent the wheel / be competitive
- Time zone advantage: can use 24 hrs instead of 12. Tax-free zones, exploit global
- Time-critical development: doing everything yourself will destroy competitive advantage

**QUESTION3: What does the term precedence mean in the context of common law? Who makes laws in a common law system? [5]**

(3+2)

- Previous judicial history & proceedings
- Courts do.

**QUESTION4:** You are planning to start a business of your own, please illustrate the major elements of your startup that require finance, How much finance do you require and how do you plan to source this requirement? [5]

- Elements ~~A~~ / Items required (2)
- Financial assessment (2)
- Raising capital (1)

**QUESTION5:** What is the relationship between loan capital and equity capital? Explain from the point of views of shareholder and lender. [4]

- loan: no ownership of business / income on interest / small amounts (2+2)
- Equity: Partial or full ~~own~~ control over business decisions / flexible terms / Large sums / no or little interest.
- Leveraging or Gearing: Their ratio, controls how much decision making power shareholder has.

QUESTION6: Considering *Professional Code of Conduct*, how the terms "Duty to the Profession" and "Duty to the relevant authority" relate with IT Professional. [6]

- (3+3)
- Relevant authority: demonstrate ethical behavior ~~towards~~ in interaction with employer. Respect his confidential info/property, be intellectually honest etc.
  - Profession: Answer to calling of profession in situations when employer may/may not be interested in upholding the highest values. e.g. do not put life/property/data in danger, don't work against public interest, don't bring profession into disrepute.

QUESTION7: Compare sole trader, partnership and a limited company. Explain the term limited liability and contrast it with the liability of sole traders and partners in partnership [3+2]

- One key feature of each (1+1+1)
- Comparison of liabilities (2)