


National University of Computer and Emerging Sciences, Lahore Campus

	Course:	Professional Issues in IT	Course Code:	CS449
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	Section:	All	Page(s):	4
	Exam Type:	Midterm-1		

Student: Name: _____ Roll No. _____ Section: _____

Instruction/Notes: Answers must be within the limits set for each question. Longer answers will be discarded. Think carefully and answer precisely.

Read the Instructions carefully

Q 1: Choose the best answer (10 marks)

- Which of the following is NOT a characteristic of organic structure
 - Wide span of control
 - Cross functional teams
 - Low job specialization
 - Clear chain of command**
- Which of the following is an advantage of a sole proprietorship?
 - ease of starting a business
 - being your own boss
 - pride of ownership
 - all of the above**
- A _____ provides for the greatest degree of continuity:
 - general partnership
 - joint venture
 - corporation**
 - sole proprietorship
- Which type of financing DOES NOT involve raising money by selling part of the ownership of the business to investors.
 - Equity financing
 - Debt financing**
 - Venture capitalist
 - Seed funding
- Which of the following is NOT a feature of a private limited company?
 - Shares can be issued to raise capital.
 - Shares can be bought and sold on the Stock Exchange**
 - All owners of the business have limited liability
 - The business continues after the death of shareholders.

Q 2:

(4 marks)

a) What is the advantage of having a bicameral legislature in a country?

[Answer in 2 sentences maximum]

It promotes checks and balances and allow separate voices to different sectors of society. It guarantees representation of different social classes, ethnic or regional interests, or subunits of a federation.

b) In what situation a bicameral legislature would not be applicable?

[Answer in 1 sentence]

In smaller states with homogeneous existence where the above factors either do not exist or are un-important.

Q 3:

(4 marks)

Define following:

Primary Legislation: [Answer in 2 sentences maximum]

Acts of Parliament constitute is primary legislation.

Secondary Legislation: [Answer in 2 sentences maximum]

Act of Parliament will often make provision for secondary legislation to be introduced. This means that detailed regulations can be introduced without full discussion in parliament.

Q 4:

(4 marks)

What is the difference between judicial review and administrative review?

Judicial Review: [Answer in 2 sentences maximum]

Power of the courts of a country to examine the actions of the legislative to determine whether such actions are consistent with the constitution. It is also called constitutional review.

Administrative Review: [Answer in 2 sentences maximum]

Power of the courts of a country to examine the actions of the administrative arms of the government and assesses the allegedly questionable actions of administrators against standards of reasonableness and abuse of discretion.

Q 5: (6 marks)

a) Some people argue that Information System Development is a semi-profession. Provide 2 reasons for your agreement or disagreement with this opinion.

Do you agree (Yes/No): *Yes*

Reason1: [Answer in 1 sentence]

One can perform Information System Development without substantial education and training.

Reason2: [Answer in 1 sentence]

*There is not registration for IT professionals and no minimum criteria of practical experience.
No enforced code of conduct.*

b) How do you compare it with the profession of Medicine?

[Answer in 2 sentences maximum]

In Medicine profession to be registered as a member of the profession, you must pass a lengthy sequence of exams, either set by the professional bodies or set by institutions accredited by them. There is an enforced code of conduct.

Q 6: (6 marks)

List two advantages and one dis-advantage of a LLC

Advantage 1: [Answer in 1 sentence]

*It is a limited liability organization.
Ease of creation*

Advantage 2: [Answer in 1 sentence]

*It has flexibility of undergoing changes.
Continuing existence*

Disadvantage: [Answer in 1 sentence]

There are elaborate documentation and record keeping requirements and strict regulations to comply with.

Q 7: (8 marks)

Suppose your ride-hailing company (e.g Uber) is considering the proposal of launching mini bus service in Lahore. Analyze this business idea by discussing the following components of the business model:

a. Total and Segmented Market [Answer in 2 sentences]

TAM: All residents of Lahore with traveling needs.

SAM: Middle and lower middle class population (low income) not having a transport of their own.

b. Revenue stream(s) [Answer in 2 sentences]

Commission from mini-bus owners.

Rent from passengers if the company runs its own mini buses.

c. Value proposition [Answer in 2 sentences]

Convenient, comfortable travelling for low income group. You don't need to hire a taxi and still enjoy air-conditioned commute with large number of routes within the city.

d. Competition [Answer in 2 sentences]

Public transport buses.

Rickshaws

Q8: (8 marks)

Do you think there should be reservation of title/function for Software Engineers?

Provide 2 reasons in favor and 2 against.

Favor 1: [Answer in 1 sentence]

So that critical software development is only done by registered service providers.

Favor 2: [Answer in 1 sentence]

To promote professionalism in this sector.

Against 1: [Answer in 1 sentence]

Self-taught people would not be able to practice.

Against 2: [Answer in 1 sentence]

It will negatively impact economy of the country.

This profession is so wide in its application that it is very difficult to come up with a single criteria for registration of software engineers.