PROFESSIONAL ISSUES IN INFORMATION SYSTEMS PRACTICE

Monday 2nd October 2023 - Afternoon

Answer any FOUR questions out of SIX. All questions carry equal marks.

Time: TWO hours

Answer any Section A questions you attempt in Answer Book A
Answer any Section B questions you attempt in Answer Book B

The marks given in brackets are indicative of the weight given to each part of the question.

Calculators are NOT allowed in this examination.
A1.  
a) In the context of the computing industry, explain the meaning of the term professionalism. 
(5 marks) 
b) Explain the purpose of a Code of Conduct for a professional body. 
(5 marks) 
c) A software engineer is working for a car manufacturer on the engine control system. The engineer is a member of BCS. Discuss THREE ways that the Code of Conduct’s “Duty to relevant authority” should guide the engineer’s work. 
(15 marks) 

A2.  
a) Explain why it is necessary for information systems professionals to understand anti-discrimination legislation when they are working in each of the following roles: 
   i. As a manager; 
   ii. As a recruiter. 
(6 marks) 
b) Explain what the SFIAplus framework is and describe TWO ways that it can be used to aid professional development in an IT company. 
(15 marks) 

A3.  
a) A company purchased a computer server for £100,000 with an estimated useful life of 5 years. 
   i. Calculate the depreciation for the server over its useful life of 5 years: 
      • using the straight-line method for 5 years, and 
      • using the reducing-balance method, assuming a 50% reduction per year. 
   (12 marks) 
   ii. If the company sold the server at the end of year 3 for £20,000, what impact would it have on profit/loss using both methods? 
   (4 marks) 

b) Explain the following: 
   i. Direct Costs and Indirect Costs, with at least ONE example of each. 
   (6 marks) 
   ii. Working Capital. 
   (3 marks)