



# PIONEER INTERNATIONAL UNIVERSITY

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## UNIVERSITY EXAMINATIONS

### BACHELOR IN INFORMATION TECHNOLOGY

**ACADEMIC YEAR:** 2020/2021    **UNIT NAME:** SYSTEM INTEGRATION ARCHITECTURE

**SEMESTER:** May – August 2021

**UNIT CODE:** BSSE 4120

**DATE:** August 2021

**Main exam**

**TIME:** 2 HOURS

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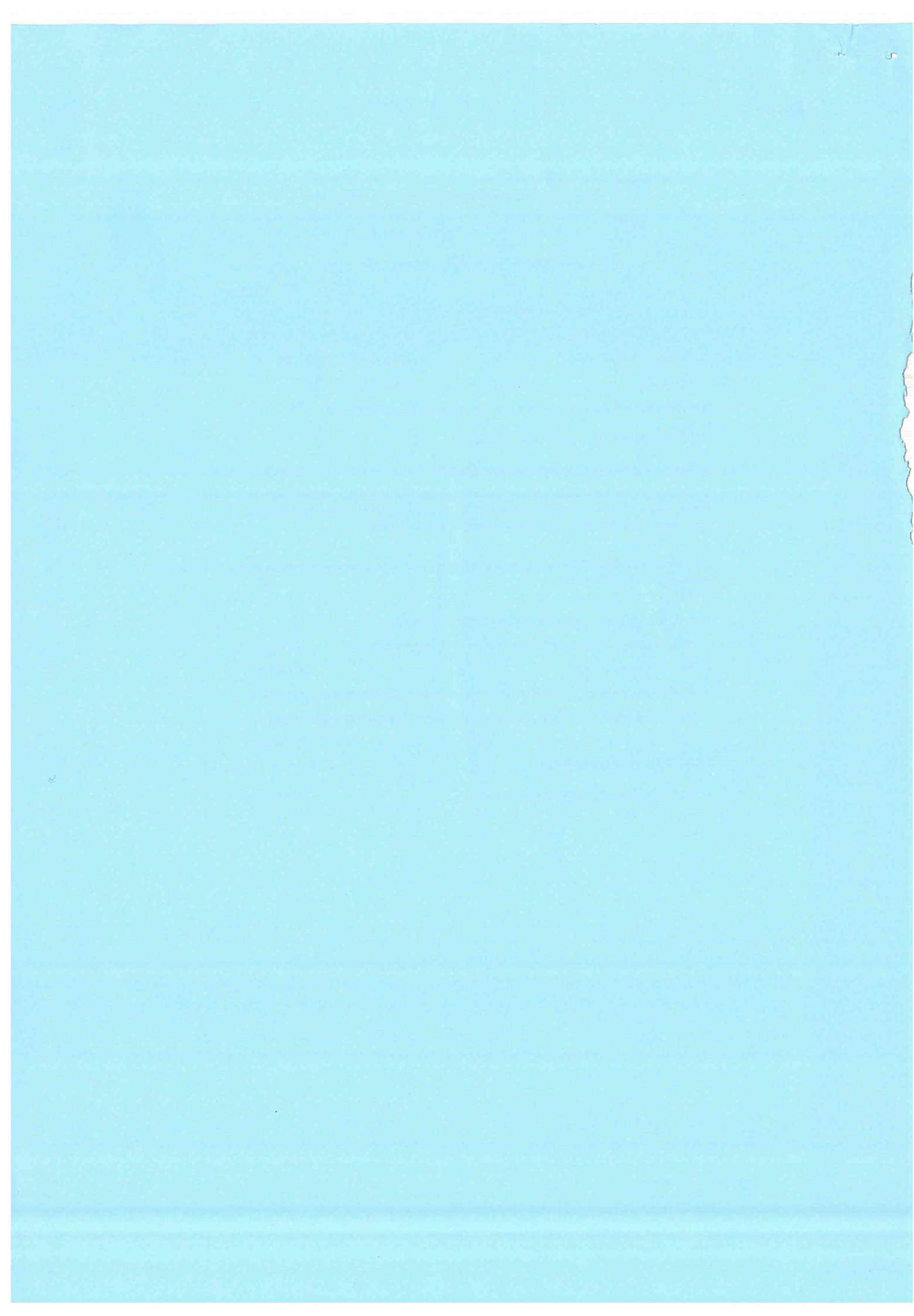
**INSTRUCTIONS:** Answer question one (30 marks) and any other two

#### QUESTION ONE (COMPULSORY 30 MARKS)

- a. Describe the Mapping sets of tasks against integration. [6 Marks]
- b. Globalization has led to unprecedented levels of competition. Successful corporations like Cisco, Dell and HP have followed the best business practices in their industry. What four key issues does the shortened life cycle due to such best practices call for?  
[4 Marks]
- c. Define the following terms; Enterprise integration patterns, aggregator pattern, Hodgepodge Architecture and Vertical Silos. [8 Marks]
- d. In systems integration, a number of components are in play.
- i. Distinguish between the two types of components in system integration. [2 Marks]
- ii. Give two examples of each. [4 Marks]
- e. Determining an appropriate systems integration solution is not a simple task by any means. Explain three ways that you must do to determine appropriate systems integration solution.  
[6 Marks]

#### QUESTION TWO (20 MARKS)

- a. Describe the five stages of ERP evolution. [6 Marks]



**QUESTION FIVE (20 MARKS)**

- a. Human users are interested in consuming the output of the information systems. In what three ways is business intelligence captured in an ERP System? [6 Marks]
- b. Technology trends in System Integration have come a long way. Give a summary of four trends that are available today due to the wide-ranging demands placed on technology.[8 Marks]
- c. Enterprise integration is really more of a journey than a solution. Explain any six salient processes that many decisions for this journey go through. [6 Marks]

