

JS qb

Section 1 (5 marks per question)

Q1. Analyze the advantages and disadvantages of cloud computing as outlined in the text.

<i>Component</i>	<i>Marks</i>
advantages	2 marks
disadvantages	2 marks
example	1 mark

Q2. Explain how Google and Facebook utilize cloud-based resources for machine learning applications.

<i>Component</i>	<i>Marks</i>
Google's use	2 marks
Facebook's use	2 marks
explanation	1 mark

Q3. Describe the key aspects of the cloud-computing framework presented in the text.

<i>Component</i>	<i>Marks</i>
scalability	2 marks
privacy protection	2 marks
device resources	1 mark

Q4. Discuss the benefits of utilizing powerful smart mobile devices in the cloud-computing framework.

Component	Marks
processing capacity	2 marks
device limitations	2 marks
example	1 mark

Q5. Explain the role of the runtime adaptation engine in the cloud-computing framework.

Component	Marks
query processing	2 marks
device/cloud optimization	2 marks
result accuracy	1 mark

Q6. Describe the purpose of the privacy-protection solution in the cloud-computing framework.

Component	Marks
privacy concerns	2 marks
security solutions	2 marks
framework's focus	1 mark

Q7. Analyze the effectiveness of the proposed cloud-computing framework in enhancing both scalability and privacy protection.

Component	Marks
scalability enhancements	2 marks
privacy protection measures	2 marks
framework's strengths	1 mark

Q8. Identify the key applications that benefit from the proposed cloud-computing framework and explain why.

<i>Component</i>	<i>Marks</i>
application types	2 marks
framework benefits	2 marks
example application	1 mark

Q9. Highlight the key challenges and trade-offs involved in implementing the proposed cloud-computing framework.

<i>Component</i>	<i>Marks</i>
implementation challenges	2 marks
trade-offs	2 marks
impact on application design	1 mark

Q10. Evaluate the potential impact of the proposed cloud-computing framework on the future of personalized intelligence applications.

<i>Component</i>	<i>Marks</i>
positive impact	2 marks
negative impact	2 marks
future implications	1 mark