

APOLLO

Impacts of Computing

FBISE Computer Science Class 9 (SSC-I)

Domain F: Impacts of Computing

52 questions | questions

Original FBISE question crops. National Curriculum 2022-23 topic.

25.	While using email, a student receives a message that appears to be from a bank and asks him to urgently enter his password and personal information via a link. What is this type of email known as?	Spam	Phishing	Cookie	Spyware
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27.	Based on the nature of its content, how can fake news be recognized?	True information	Misleading information	Educational content	Verified news
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30.	Which innovation has made it possible to conduct business and trade globally over the internet?	Digital marketing	E-Commerce	Social networking	Radio/ TV broadcasting
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32.	When a company collects and analyze users' private data without permission for profit, it leads to which issue?	Data optimization	Privacy violation	System efficiency	Digital collaboration
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33.	A student spends most of the day on social media, resulting in poor academic performance and lack of sleep. Which harmful effect of computing does this reflect?	Enhanced productivity	Educational growth	Digital addiction	Improved health
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SCENARIO#5 (FOR QUESTIONS 57-60)		A smart city uses interconnected digital systems to improve traffic management and public services. Sensors placed on roads collect real-time traffic data, which is analyzed to reduce congestion and optimize traffic signals. AI systems process this data to predict traffic flow and suggest alternate routes to drivers through mobile applications. Public transport systems are also monitored to improve efficiency and scheduling. The city stores large amounts of data in cloud systems for easy access and scalability. To ensure safety, cybersecurity measures and ethical data usage policies are implemented to protect citizens' information and maintain system reliability.			
58.	Why are cybersecurity measures important in a smart city system?	To increase traffic congestion	To limit the use of technology	To reduce internet connectivity	To ensure data privacy and prevent unauthorized access

3.	How can a user search for information on the internet in a safe and responsible way? (State any three methods)	3
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7.	Explain how computing innovations can negatively affect society and the environment. Support your answer with real life examples.	6
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7. Attackers use phishing for:	Tracking	Backup	Stealing data	Encryption
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8. What is the purpose of malware?	Improve system performance	Harm computers	Provide free tools	Backup data
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Answer the following parts briefly. (11 x 2 = 22)		درج ذیل اجزاء کے مختصر جوابات دیں۔	
What is the purpose of software piracy? Also give an example.	02	OR	How can machine learning be used to assist in decision making?

OR	What is computing innovation? Explain any three benefits of computing innovation.	2+3
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First Annual 2025 | Section A Q8 | 1 mark

Which of the following is an example of spyware?	Free trial software	Security tool	Antivirus	Online tracking
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Second Annual 2025 | Section A Q12 | 1 mark

Which one is NOT the type of malicious software?	Malware	Spam	Spyware	Information privacy
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Second Annual 2025 | Section B Q2(vi) OR | 2 marks

(vi)	Write a short note on ports. Give two examples.	02	OR	What is the purpose of information privacy?	02
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Second Annual 2025 | Section B Q2(xi) OR | 2 marks

(xi)	Why is debugging important in programming?	02	OR	Briefly explain the concept of phishing.	02
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First Annual 2026 | Section A Q1(xii) | 1 mark

(xii)	Crime that is committed through a computer and network is called:						
A.	Net crime	B.	Internet crime	C.	Cybercrime	D.	Online crime

First Annual 2026 | Section A Q1(xiii) | 1 mark

	A. Networking	B. Internetworking	C. Systemwide	D. All of the above
(xiii)	The illegal use, copying or distribution of copyrighted software is called:			
	A. Software piracy		B. Software theft	
	C. Software threat		D. Software robbery	
(xiv)	A program that interferes with the normal working of a computer is called:			

First Annual 2026 | Section A Q1(xiv) | 1 mark

(xiv)	A program that interferes with the normal working of a computer is called:		
A.	Bacteria	B.	Antivirus
C.	Virus	D.	Cracker

First Annual 2026 | Section A Q1(xv) | 1 mark

(xv)	Which of the following is an antivirus?				
A.	Redlof	B.	Trojan	C.	AVG
				D.	Boot sector

First Annual 2026 | Section A Q8 | 1 mark

What is meant by fake news?	Verified information	Educational content	False or misleading information	Official announcements	☐	☐	☐	☐
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First Annual 2026 | Section A Q11 | 1 mark

Why is software piracy considered illegal?	It violates ownership rights	It is outdated	It slows the working of computer	It limits access to the online data	☐	☐	☐	☐
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What is meant by phishing? Give one example.	2+1
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Write one harmful effect of using Computing Innovation.	03
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1.5 Explain any six benefits of computing innovation.	1x6
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8. Which term refers to deceptive emails or messages used to steal personal information?	Hacking	Phishing	Shareware	Freeware
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Why are computer ethics important?	To increase speed	To store data	To design software	To guide responsible use
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What is meant by spyware? Give one example.	2+1
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A news story spreads rapidly online without a reliable source. How can one identify whether it is fake news or credible?	03
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Explain the importance of following in safe and responsible use of computers: a. Computer system updated b. Using a strong and unique passwords c. Backing up data	2x3
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3. Why should users protect personal data online?	To prevent misuse	To share faster	To reduce cost	To improve graphics
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Which issue arises due to the misuse of personal data online?	Increased speed	Improved usability	Privacy violation	Better communication
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First Annual 2026 | Section B Q2(iii) | 3 marks

(iii)	Enlist any six Sustainable Development Goals (SDGs).	03
(iv)	What is meant by output device? Write names of any	1.5

First Annual 2026 | Section B Q2(iv) OR | 3 marks

1.5 + 1.5	OR	What is meant by software piracy? Give one example.	2+1
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First Annual 2026 | Section B Q2(viii) | 3 marks

A user receives an email asking for bank details with an urgent warning. Identify the type of cyber threat involved. Justify your answer.	1+2	OR	How is data science helpful in solving business problem?	03
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First Annual 2026 | Section C Q3 | 6 marks

Q.3	Explain the importance of following in safe and responsible use of computers: a. Backing up Data b. Use of secure Wi-Fi c. Privacy settings	2x3
Q.4	How a star topology differs from a bus topology?	

FBISE model paper | Section A Q1(vii) | 1 mark

vii.	Which of the following is an example of unethical behavior online?	Sharing positive messages on social media	Cyberbullying	Helping a friend with home task	Respecting others' privacy	○ ○ ○ ○
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FBISE model paper | Section A Q1(viii) | 1 mark

viii.	What does privacy mean in the context of computer ethics?	Sharing personal information freely online	Keeping personal information confidential and secure	Hacking into others' accounts	Ignoring security measures	○ ○ ○ ○
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FBISE model paper | Section B Q2(iii) OR | 3 marks

OR	What is the impact of computing on e-commerce?	03
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V.	You are helping a group of middle school students use the internet for a research project. They are unaware of safe and responsible search practices. Recommend three specific strategies these students should follow to ensure safe and responsible data searches.	03
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Q.5	What is computing innovation? Explain the harmful effects of computing innovation on society and environment.	6
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What is the purpose of phishing? Also give an example.	02
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Enlist any two differences between spam and spyware.	02
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What is computing innovation? Explain any three harmful effects of innovation on society.	2+3
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Q. 2 Answer the following parts briefly. (11 x 2 = 22)

(i)	What is the basic difference between using a page break and section break in word document? ورڈ میں پیج بریک اور سیکشن بریک میں بنیادی فرق کیا ہے؟	02
(ii)	What is the importance of computer security? کمپیوٹر سکیورٹی کی کیا اہمیت ہے؟	02
(iii)	Differentiate between header and footer in MS Word document.	--

Q. 2 Answer the following parts briefly. (11 x 2 = 22)

درج ذیل اجزاء کے مختصر جوابات دیں۔

(i)	What is the basic difference between using a page break and section break in word document? ورڈ میں پیج بریک اور سیکشن بریک میں بنیادی فرق کیا ہے؟	02	OR	Which fundamental characteristic distinguishes distortion from attenuation in signal? کون سی بنیادی خصوصیت سگنل میں ڈسٹارشن سے ڈسٹورشن کو مختلف بناتی ہے؟	02
(ii)	What is the importance of computer security? کمپیوٹر سکیورٹی کی کیا اہمیت ہے؟	02	OR	Mention any two advantages of using networks. نیٹ ورک استعمال کرنے کے کوئی سے دو فوائد بیان کریں۔	02
(iii)	Differentiate between header and footer in MS Word document.	02	OR	Enlist any two symptoms of malware attack. ملیوئر حملے کے کوئی سے دو علامات بیان کریں۔	02

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(ii)	What is the importance of computer security? کمپیوٹر سکیورٹی کی کیا اہمیت ہے؟	02
(iii)	Differentiate between header and footer in MS Word document. ایم ایس ورڈ میں ہیڈر اور فوٹر کے درمیان فرق بیان کریں۔	02
(iv)	Highlight two fundamental tasks carried out by client/server network. کلائنٹ / سرور نیٹ ورک کے دو بنیادی کاموں کو بیان کریں۔	02
(v)	Enlist any two characteristics of non-impact printers that overcome the existence of impact printers. ایمپیکٹ پرنٹرز کی کوئی سی دو خوبیاں بتائیں جو ایمپیکٹ پرنٹرز سے نمایاں کرتی ہوں۔	02
(vi)	State the difference between digital and analog signals in terms of representation and uses. نمائندگی اور استعمال کے لحاظ سے ڈیجیٹل اور اینالاگ سگنلز کے درمیان فرق بیان کریں۔	02
(vii)	Differentiate between freeware and open source software with examples. مثال کی مدد سے فری ویئر اور اوپن سورس سافٹ ویئر کے درمیان فرق بیان کریں۔	02
(viii)	Enlist any two applications of computers in business. کاروبار میں کمپیوٹر کی کوئی سی دو ایپلی کیشنز کی فہرست بنائیں۔	02
(ix)	Write any two advantages of word processors over traditional typewriters. ورڈ پروسیسرز روایتی ٹائپ رائٹرز سے کیسے بہتر ہیں؟ دو وجوہات لکھیں۔	02
(x)	State any two advantages of fiber optic cables in terms of bandwidth and reliability. فیبر آپٹک کابلس کے لحاظ سے فائبر آپٹک کیبلز کی کوئی سی دو خوبیاں بیان کریں۔	02
(xi)	Highlight any two considerations that an individual and organization should take into account to ensure ethical use of computers. انفرادی اور تنظیم کو کمپیوٹر کے اخلاق استعمال کے نقطہ نظر کے دو اہم کردار ادا کرتے ہیں؟	02

Q.6	How does access card and PIN play a crucial role in authentication process? رسائی کارڈ اور پین توثیق کے عمل میں کس طرح اہم کردار ادا کرتے ہیں؟	2.5 + 2.5
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OR	What is meant by Globalization in the context of computing? کمپیوٹنگ کے تناظر میں Globalization سے کیا مراد ہے؟	02
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(ix)	A user receives an email asking for bank details. Identify the type of cyber threat involved. کسی صارف کو بینک کی تفصیلات مانگنے والی ای میل موصول ہوتی ہے۔ اس میں سائبر سکیورٹی	02
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What is pirated software? Give its one harm to the user.

پائیرٹڈ سافٹ ویئر کیا ہوتا ہے؟ کسی بھی یوزر کو اس کا ایک نقصان لکھیں۔

1+1

What is meant by computer ethics? Describe any three moral guidelines that users should follow when using computers and information systems.

کمپیوٹر اخلاقیات (Computer Ethics) سے کیا مراد ہے؟ تین اخلاقی اصول کی وضاحت

2+3