

GRADE 7 ICT

LESSON
EXERCISES

2025



NAME OF LEARNER: _____

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MARK:

Faults in ICT Tools Colossians 3:23

Topic: Faults in ICT Tools

Learning Objectives:

Identify faults.

Find possible fault origins.

Fix and replace non-functional components.

Assemble and disassemble ICT tools.

Instructions: Answer each question in the space provided. Use the additional space for corrections and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

Questions

1. What are the common signs of faults in ICT tools?

Answer:

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Correction:

.....

2. List three possible origins of faults in a computer system.

Answer:

.....

Correction:

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3. How does Colossians 3:23 ("Whatever you do, work at it with all your heart, as working for the Lord, not for human masters.") encourage excellence in diagnosing and fixing ICT faults? (*Bible Reference: Colossians 3:23*)

Answer:

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Correction:

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4. Explain the purpose of a troubleshooting process.

Answer:

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Correction:

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5. Describe the steps to safely disassemble a desktop computer.

Answer:

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Correction:

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6. Ellen G. White wrote, "Success in any line demands a definite aim" (*Education*, p. 262). How does this principle apply to diagnosing ICT faults? (*EGW Reference: Education*, p. 262)

Answer:

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Correction:

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7. Name three tools required for diagnosing ICT faults and their functions.

Answer:

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Correction:

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8. Explain how to identify a faulty power supply unit in a computer.

Answer:

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Correction:

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9. What precautions should you take before replacing a non-functional component?

Answer:

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Correction:

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10. Outline the steps to fix a computer that fails to power on.

Answer:

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Correction:

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11. How can environmental factors contribute to ICT tool faults? Provide two examples.

Answer:

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Correction:

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12. What role does a professional tools kit play in repairing ICT tools?

Answer:

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Correction:

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13. Why is it important to conduct educational tours to electronic manufacturing companies?

Answer:

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Correction:

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14. Discuss the challenges you might face when assembling ICT tools and how to overcome them.

Answer:

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Correction:

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15. Describe the steps to handle and safely dispose of electronic waste in alignment with Christian stewardship principles.

Answer:

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Correction:
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16. List five components of a computer system and explain their roles.

Answer:
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Correction:
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17. What safety measures should be followed during the disassembling process?

Answer:
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Correction:
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18. Describe how to handle and dispose of electronic waste safely.

Answer:
.....

Correction:
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19. What diagnostic tools can be used to test a computer's hardware functionality?

Answer:
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Correction:
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20. Explain the process of assembling a desktop computer after replacing a damaged component.

Answer:
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Correction:
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Key References

Bible Verse:

"Whatever you do, work at it with all your heart, as working for the Lord, not for human masters." –
(*Colossians 3:23*)

Ellen G. White Quote:

"Success in any line demands a definite aim." – (*Education, p. 262*)

Suggested Resources:

Professional tools kit.

Non-working ICT tools for hands-on practice.

Guidance from a resource person.

MARK:

Database Queries Proverbs 3:6

Topic: Database Queries

Learning Objectives:

Use query design wizard to create queries.

Query a database.

Modify queries to refine search results.

Design reports using the wizard.

Instructions: Answer each question in the space provided. Use the additional space for corrections and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

Questions

1. What is a database query, and why is it important in managing data?

Answer:
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Correction Space:

2. List the steps for creating a query using the query design wizard in MS Access.

Answer:
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Correction Space:

3. The Bible teaches in Proverbs 3:6, "In all thy ways acknowledge him, and he shall direct thy paths." How can seeking guidance in your work improve accuracy and focus while designing database queries?

Answer:
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Correction Space:

4. Explain the difference between a select query and an action query in a database. Provide examples.

Answer:
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Correction Space:

5. How can criteria be added to a query to filter data effectively?

Answer:

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Correction Space:

6. Ellen G. White wrote, "Order is the first law of heaven" (*Testimonies for the Church*, Vol. 6, p. 201). How does maintaining order in database queries reflect good stewardship and efficiency?

Answer:
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Correction Space:

7. Describe how to modify an existing query to refine its search results. Include an example.

Answer:
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Correction Space:

8. What are the advantages of using parameters in queries? Provide an example.

Answer:
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Correction Space:

9. List three common operators used in queries and their functions.

Answer:
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Correction Space:

10. Explain how aggregate functions such as SUM and COUNT are used in database queries. Provide examples.

Answer:
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Correction Space:

11. What are wildcard characters, and how do they enhance search capabilities in a query?

Answer:
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.....

Correction Space:

12. Describe the process of creating a report using the report wizard in MS Access.

Answer:
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.....

Correction Space:

13. How can queries be used to group and sort data for better reporting?

Answer:
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Correction Space:

14. Discuss how database queries can be used to solve real-world problems in an organization.
Provide examples.

Answer:
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.....

Correction Space:

15. What are the steps to troubleshoot errors in database query execution?

Answer:
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Correction Space:

References

Bible: Proverbs 3:6 – “In all thy ways acknowledge him, and he shall direct thy paths.”

Ellen G. White: *Testimonies for the Church, Vol. 6, p. 201* – "Order is the first law of heaven."

Note: Each question includes a space for the answer and another space for correction during marking. Biblical and EGW quotes are integrated to highlight faith-based principles and their relevance to technical skills development.

Multimedia Editing and Morphing Ecclesiastes 9:10

Learning Objectives:

Alter images

Add information to existing images to relay information graphically

Cut elements from one image and paste them in another

Plan and compose a video clip

Download, organize, and edit video clips

Instructions: Answer each question in the space provided. Use the additional space for corrections and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

MARK:

Questions

1. What is image morphing, and how can it be used to create new graphical content?

Answer:

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Correct answer

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2. Describe the steps to crop and edit an image using Microsoft Picture Manager.

Answer:

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Correct answer

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3. The Bible teaches in Ecclesiastes 9:10, "Whatever your hand finds to do, do it with your might." How does this principle apply to the process of editing and refining multimedia projects?

Answer:

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Correct answer

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4. Explain how you can add information (e.g., text) to an image to make it more informative.

Answer:

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Correct answer

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5. List the steps for cutting an object from one image and pasting it into another.

Answer:

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Correct answer

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6. Ellen G. White emphasized, "Higher than the highest human thought can reach is God's ideal for His children" (*Education*, p. 18). How does striving for excellence in multimedia editing reflect this ideal?

Answer:

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Correct answer

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7. Describe the process of planning a video clip from start to finish. Include the tools needed.

Answer:

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Correct answer

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8. What are the steps to organize video clips in a project?

Answer:

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Correct answer

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9. How can free morphing tools be used to create a seamless multimedia presentation?

Answer:

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Correct answer

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10. Explain the importance of reviewing video clips before editing them.

Answer:

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Correct answer

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11. What is the role of transitions in video editing, and how can they improve a project?

Answer:

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Correct answer

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12. Describe how you can use Microsoft Movie Maker to compile and edit a video project.

Answer:

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Correct answer

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13. What is the purpose of audio in multimedia projects, and how can you edit audio tracks effectively?

Answer:

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Correct answer

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14. Explain how multimedia can be used to share a message effectively in education or ministry.

Answer:

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Correct answer

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15. Discuss the ethical considerations when using copyrighted multimedia content in projects.

Answer:

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Correct answer

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References

Bible: Ecclesiastes 9:10 – “Whatever your hand finds to do, do it with your might.”

Ellen G. White: *Education*, p. 18 – “Higher than the highest human thought can reach is God's ideal for His children.”

Safety and Security in ICT: Firewalls and antivirus Proverbs 4:6

Instructions: Answer each question in the space provided. Use the additional space for corrections and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

1. What is antivirus software, and why is it important for your computer's security?

Answer: _____

Correcting Answer: _____

2. List the steps to install antivirus software on your computer.

Answer: _____

Correcting Answer: _____

3. Explain what a firewall is and how it helps protect a computer.

Answer: _____

Correcting Answer: _____

4. According to Proverbs 4:6, "Do not forsake wisdom, and she will protect you; love her, and she will watch over you." How can we apply this wisdom in the context of securing our devices and data?

Answer: _____

Correcting Answer: _____

Bible Reference: Proverbs 4:6

5. What are some signs that your computer may be infected with a virus?

Answer: _____

Correcting Answer: _____

6. Describe the process of configuring a firewall on your computer.

Answer: _____

Correcting Answer: _____

7. How can antivirus software help you in scanning and cleaning viruses from your computer?

Answer: _____

Correcting Answer: _____

8. Why is it important to regularly update your antivirus software?

Answer: _____

Correcting Answer: _____

9. What is the difference between hardware and software firewalls?

Answer: _____

Correcting Answer: _____

10. Describe how firewalls can be used to block malicious network traffic.

Answer: _____

Correcting Answer: _____

11. How would you use a firewall and antivirus software together to protect your computer?

Answer: _____

Correcting Answer: _____

12. Ellen G. White writes, "The brain and the heart must be closely connected" (Steps to Christ, p. 67). How does this idea apply to keeping our digital lives secure through antivirus and firewalls?

Answer: _____

Correcting Answer: _____

EGW Reference: *Steps to Christ*, p. 67

13. Explain why it is essential to have registered antivirus software rather than free versions.

Answer: _____

Correcting Answer: _____

14. What steps should you follow when scanning ICT tools for viruses?

Answer: _____

Correcting Answer: _____

15. How can you ensure your antivirus software stays up to date with the latest definitions and updates?

Answer: _____

Correcting Answer: _____

References

Bible Verse: Proverbs 4:6 – “Do not forsake wisdom, and she will protect you; love her, and she will watch over you.”

Ellen G. White Quote: *Steps to Christ*, p. 67 – “The brain and the heart must be closely connected.”

MARK:

Safety and Security – Data Protection Legislation Proverbs 4:23

Instructions: Answer each question in the space provided. Use the additional space for correction and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

1. What is the primary purpose of data protection legislation?

Answer:

Correcting Answer:

2. Why is it important for individuals to understand data protection laws?

Answer:

Correcting Answer:

3. What are some of the key components of the Data Protection Act in Zimbabwe?

Answer:

Correcting Answer:

4. How does data protection legislation help in securing personal information?

Answer:

Correcting Answer:

5. According to Proverbs 4:23, "Above all else, guard your heart, for everything you do flows from it." How can we apply this to protecting our personal data?
Answer:

Correcting Answer:

Bible Reference: Proverbs 4:23

6. What rights do individuals have under the Data Protection Act regarding their personal data?
Answer:

Correcting Answer:

7. In your own words, explain the role of a Data Protection Officer (DPO) under the legislation.
Answer:

Correcting Answer:

8. What are the penalties for failing to comply with data protection laws in Zimbabwe?
Answer:

Correcting Answer:

9. What is the importance of obtaining consent before collecting personal data from individuals?

Answer:

Correcting Answer:

10. Ellen G. White says, "He who does not honor the Lord by the right use of his talents is unfaithful to his trust" (*The Ministry of Healing*, p. 397). How does this quote relate to how we handle personal data?

Answer:

Correcting Answer:

EGW Reference: *The Ministry of Healing*, p. 397

11. What does "data breach" mean, and what should be done if one occurs?

Answer:

Correcting Answer:

12. What are the responsibilities of organizations regarding data protection under the law?

Answer:

Correcting Answer:

13. Why is it important to secure sensitive data such as financial information or health records?
Answer:

Correcting Answer:

14. How does the Data Protection Act contribute to building trust between consumers and organizations?
Answer:

Correcting Answer:

15. What are some common measures organizations take to ensure data protection?
Answer:

Correcting Answer:

References:

Bible Verse: Proverbs 4:23 – "Above all else, guard your heart, for everything you do flows from it."

Ellen G. White Quote: *The Ministry of Healing*, p. 397 – "He who does not honor the Lord by the right use of his talents is unfaithful to his trust."

The World Wide Web and Online Collaboration: Surfing the internet

Proverbs 2:6

Instructions: Answer each question in the space provided. Use the additional space for clarification and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some questions.

MARK:

1. What is the World Wide Web, and how does it facilitate online collaboration?

Answer:

Correcting Answer:

2. What are search terms, and why are they important when conducting research on the internet?

Answer:

Correcting Answer:

3. How can the use of specific and effective search terms improve the quality of your online search results?

Answer:

Correcting Answer:

4. What are the advantages of downloading freely available educational materials from the internet?

Answer:

Correcting Answer:

5. What are some strategies for finding reliable sources of educational material on the web?

Answer:

Correcting Answer:

6. How can you differentiate between credible and unreliable information on the internet?

Answer:

Correcting Answer:

7. Why is it important to cite the sources of the materials you download from the internet?

Answer:

Correcting Answer:

8. In what ways does the Bible guide us in using knowledge responsibly? (Proverbs 2:6)

Answer:

Correcting Answer:

Bible Reference: Proverbs 2:6 – "For the Lord gives wisdom; from his mouth come knowledge and understanding."

9. How can online collaboration tools (e.g., Google Docs, Zoom) enhance group work and learning?

Answer:

Correcting Answer:

10. What role does the internet play in the advancement of education and access to knowledge?

Answer:

Correcting Answer:

11. How can you safely download educational content from the internet without risking malware or viruses?

Answer:

Correcting Answer:

12. Why is it important to protect your privacy when searching for information online?

Answer:

Correcting Answer:

13. According to Ellen G. White, how should we approach the acquisition of knowledge?

Answer:

Correcting Answer:

EGW Reference: *Education*, p. 14 – "True education is not the gaining of knowledge alone, but the development of the powers of mind and heart and soul that will make us better in every way."

14. What are the ethical implications of using and sharing materials you find online?

Answer:

Correcting Answer:

15. How can the internet be a tool for spreading knowledge in a way that is ethical and beneficial to others?

Answer:

Correcting Answer:

References:

Bible Reference: Proverbs 2:6 – "For the Lord gives wisdom; from his mouth come knowledge and understanding."

EGW Reference: *Education*, p. 14 – "True education is not the gaining of knowledge alone, but the development of the powers of mind and heart and soul that will make us better in every way."

This worksheet includes structured questions with dotted lines for both answers and corrections. Each question integrates a Bible verse or an Ellen G. White quote, emphasizing the responsible and ethical use of knowledge in the context of the internet.

The World Wide Web and Online Collaboration: Web design Proverbs 15:23)

Instructions: Answer each question in the space provided. Use the additional space for correction and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some questions.

MARK:

1. What is web programming, and how is it used to create a webpage?

Answer:

Correcting Answer:

2. Explain the purpose of using web design software, such as Joomla or WordPress, in creating a website.

Answer:

Correcting Answer:

3. How can a school website be designed to meet the needs of students, parents, and teachers?

Answer:

Correcting Answer:

4. What are the steps involved in uploading information (text, images, and videos) onto a website?

Answer:

Correcting Answer:

5. Why is it important to evaluate other websites before designing your own?

Answer:

Correcting Answer:

6. What are some advantages of using templates in web design?

Answer:

Correcting Answer:

7. What is the importance of user-friendly design in website development?

Answer:

Correcting Answer:

8. How does a school website improve communication within the school community?

Answer:

Correcting Answer:

9. What factors should you consider when selecting images and videos for your website?

Answer:

Correcting Answer:

10. According to the Bible, why is it important to communicate effectively in our work? (Proverbs 15:23)

Answer:

Correcting Answer:

Bible Reference: Proverbs 15:23 – "A man has joy by the answer of his mouth, and a word spoken in due season, how good it is!"

11. What role do online collaboration tools play in website design and development?

Answer:

Correcting Answer:

12. How can you ensure the information on your school website is regularly updated and relevant?

Answer:

Correcting Answer:

13. What is the significance of website accessibility, and how can it be improved for users with disabilities?

Answer:

Correcting Answer:

14. According to Ellen G. White, what principles should guide the use of technology in education?

Answer:

Correcting Answer:

EGW Reference: *Education*, p. 235 – "The knowledge gained in school is not for selfish purposes, but should be used to help others and improve the world around us."

15. How can evaluating other school websites help you design a better website for your school?

Answer:

Correcting Answer:

References:

Bible Reference: Proverbs 15:23 – "A man has joy by the answer of his mouth, and a word spoken in due season, how good it is!"

EGW Reference: *Education*, p. 235 – "The knowledge gained in school is not for selfish purposes, but should be used to help others and improve the world around us."

This worksheet provides a structured format to evaluate understanding of web design and the creation of school websites, while incorporating key Bible verses and Ellen G. White's principles on education and effective communication.

ICT Careers: Colossians 3:23

- ICT Careers

- Software Developer

- Hardware Technician

- Database Administrator

MARK:

Instructions: Answer each question in the space provided. Use the additional space for corrections and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

1. What is the role of a Software Developer in the ICT field?

Answer:

Correcting Answer:

2. What key skills are required for a career as a Hardware Technician?

Answer:

Correcting Answer:

3. What does a Database Administrator do in an organization?

Answer:

Correcting Answer:

4. Explain how a Software Developer collaborates with other IT personnel in a project.

Answer:

Correcting Answer:

5. What are the benefits of discussing ICT career roles with professionals in the field?

Answer:

Correcting Answer:

6. How can conducting educational tours to ICT companies enhance students' understanding of the field?

Answer:

Correcting Answer:

7. What are the main responsibilities of a Network Administrator?

Answer:

Correcting Answer:

8. What skills should a Database Administrator possess for effective data management?

Answer:

Correcting Answer:

9. According to the Bible, how can one's work in the ICT field glorify God? (Colossians 3:23)

Answer:

Correcting Answer:

Bible Reference: Colossians 3:23 – "Whatever you do, work at it with all your heart, as working for the Lord, not for human masters."

10. What role does a Quality Assurance (QA) Engineer play in software development?

Answer:

Correcting Answer:

11. How can students explore career opportunities in ICT through the internet?
Answer:

Correcting Answer:

12. What is the role of a Project Manager in an ICT company?
Answer:

Correcting Answer:

13. How can the skills of a Hardware Technician contribute to the overall success of an ICT team?
Answer:

Correcting Answer:

14. According to Ellen G. White, how should we approach our work in a way that honors God?

Answer:

Correcting Answer:

EGW Reference: *Education*, p. 235 – "The knowledge gained in school is not for selfish purposes, but should be used to help others and improve the world around us."

15. How does online collaboration among IT personnel help in the development of successful ICT projects?

Answer:

Correcting Answer:

References:

Bible Reference: Colossians 3:23 – "Whatever you do, work at it with all your heart, as working for the Lord, not for human masters."

EGW Reference: *Education*, p. 235 – "The knowledge gained in school is not for selfish purposes, but should be used to help others and improve the world around us."

This worksheet integrates key ideas from the Bible and Ellen G. White's teachings, offering a practical approach to understanding ICT careers while promoting a Christian worldview in the workplace.

MARK:

Programming : Text based programming Colossians 3:23

Instructions: Answer each question in the space provided. Use the additional space and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

1. How do computers process instructions and commands?

Answer:

Correcting Answer:

2. What is a program flowchart and why is it important in programming?

Answer:

Correcting Answer:

3. What is the purpose of text-based programming in controlling on-screen icons?

Answer:

Correcting Answer:

4. Name a visual-based programming software and explain how it is used to create a basic program.

Answer:

Correcting Answer:

5. How does using a visual-based programming tool help beginners understand programming concepts?

Answer:

Correcting Answer:

6. What are the basic steps to creating a basic software program?

Answer:

Correcting Answer:

7. How can flowcharts help identify logical errors in a program before coding?

Answer:

Correcting Answer:

8. What are the benefits of controlling an on-screen icon using text-based programming commands?

Answer:

Correcting Answer:

9. According to the Bible, what should our attitude be toward the work we do, including programming? (Colossians 3:23)

Answer:

Correcting Answer:

Bible Reference: Colossians 3:23 – "Whatever you do, work at it with all your heart, as working for the Lord, not for human masters."

10. What is a text-based control in programming, and how can it be used to manipulate an icon's position on the screen?

Answer:

Correcting Answer:

11. How does the use of programming to control on-screen icons relate to problem-solving skills in programming?

Answer:

Correcting Answer:

12. What role does planning and designing play in creating a software program?

Answer:

Correcting Answer:

13. What are some potential challenges programmers might face when creating software programs?

Answer:

Correcting Answer:

14. According to Ellen G. White, how can we use our talents in programming to serve others?

Answer:

Correcting Answer:

EGW Reference: *Ministry of Healing*, p. 296 – "The talents that God has entrusted to you are not for self-glorification, but to be used in service to others."

15. How can programming help in the advancement of education, particularly in schools?

Answer:

Correcting Answer:

References:

Bible Reference: Colossians 3:23 – "Whatever you do, work at it with all your heart, as working for the Lord, not for human masters."

EGW Reference: *Ministry of Healing*, p. 296 – "The talents that God has entrusted to you are not for self-glorification, but to be used in service to others."

This worksheet includes space for both student answers and corrections, integrating biblical principles and Ellen G. White's teachings alongside programming-related questions.

Communication and networks : Cable design Colossians 3:23

Instructions: Answer each question in the space provided. Use the additional space for corrections and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

1. What are the key components required to design a network cable using RJ45 connectors?

Answer:

Correcting Answer:

2. What is the function of an RJ45 connector in network cable design?

Answer:

Correcting Answer:

3. Describe the process of designing a network cable using the RJ45 connectors.

Answer:

Correcting Answer:

4. What is the importance of properly wiring the pins in an RJ45 connector when designing a network cable?

Answer:

Correcting Answer:

5. How can poor cable design affect the performance of a network?

Answer:

Correcting Answer:

6. What tools are required for designing and assembling an RJ45 network cable?

Answer:

Correcting Answer:

7. How does an RJ45 connector contribute to the reliability of a network connection?

Answer:

Correcting Answer:

8. What is the role of wire order in the network cable design, and how can it impact data transmission?

Answer:

Correcting Answer:

9. What are the common mistakes to avoid when designing network cables using RJ45 connectors?
Answer:

Correcting Answer:

10. How does proper network cable design contribute to a well-functioning communication system?
Answer:

Correcting Answer:

11. According to the Bible, what does it mean to work with excellence in all tasks, including designing network cables? (Colossians 3:23)
Answer:

Correcting Answer:

Bible Reference: Colossians 3:23 – "Whatever you do, work at it with all your heart, as working for the Lord, not for human masters."

12. Why is it important to have a systematic approach to designing network cables and communication systems?

Answer:

Correcting Answer:

13. How does effective communication in a network depend on the quality of network cables and connectors?

Answer:

Correcting Answer:

14. Ellen G. White emphasizes the importance of thoroughness and attention to detail in all work. How can these principles apply to designing network cables? (Education, p. 221)

Answer:

Correcting Answer:

EGW Reference: *Education*, p. 221 – "In every line of work, whether intellectual or manual, thoroughness and attention to detail are important."

15. What are the ethical considerations when designing network cables for educational or organizational purposes?

Answer:

Correcting Answer:

References:

Bible Reference: Colossians 3:23 – "Whatever you do, work at it with all your heart, as working for the Lord, not for human masters."

EGW Reference: *Education*, p. 221 – "In every line of work, whether intellectual or manual, thoroughness and attention to detail are important."

This worksheet includes both technical questions and integrates Christian values through Bible and Ellen G. White references, encouraging students to apply excellence and ethics in their work.

Communication and networks : Network setup 1 Corinthians 1:10

Instructions: Answer each question in the space provided. Use the additional space for corrections and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

1. What is a peer-to-peer network, and how does it function?

Answer:

Correcting Answer:

2. What are the key components needed to set up a peer-to-peer network?

Answer:

Correcting Answer:

3. How do you configure a network for resource sharing in a peer-to-peer connection?

Answer:

Correcting Answer:

4. Describe the process of configuring a peer-to-peer network for file sharing.

Answer:

Correcting Answer:

5. What are the advantages of using a peer-to-peer network for small-scale communication?

Answer:

Correcting Answer:

6. How does accessing network resources differ in a peer-to-peer network compared to a client-server network?

Answer:

Correcting Answer:

7. What are the common security considerations when accessing resources on a peer-to-peer network?

Answer:

Correcting Answer:

8. Explain how network cables and ICT tools are used in the setup of a peer-to-peer network.

Answer:

Correcting Answer:

9. How can you share files between two computers using a peer-to-peer network?

Answer:

Correcting Answer:

10. What troubleshooting steps should you take if you cannot access a resource on a peer-to-peer network?

Answer:

Correcting Answer:

11. In what ways can we apply the principle of "working in unity" (1 Corinthians 1:10) when configuring a peer-to-peer network for collaboration?

Answer:

Correcting Answer:

Bible Reference: 1 Corinthians 1:10 – "I appeal to you, brothers and sisters, in the name of our Lord Jesus Christ, that all of you agree with one another in what you say and that there be no divisions among you, but that you be perfectly united in mind and thought."

12. Why is it important to have clear communication when setting up a network? How does this relate to the biblical principle of clarity in communication? (Proverbs 4:7)

Answer:

Correcting Answer:

Bible Reference: Proverbs 4:7 – "The beginning of wisdom is this: Get wisdom. Though it cost all you have, get understanding."

13. Ellen G. White emphasizes the importance of knowledge and thoroughness in our work. How can this principle be applied to the configuration of network resources? (Testimonies for the Church, Vol. 6, p. 347)

Answer:

Correcting Answer:

EGW Reference: *Testimonies for the Church, Vol. 6, p. 347* – "The work of God requires a thorough, accurate understanding of principles in every line of work."

14. What are some ethical considerations when accessing and sharing resources on a peer-to-peer network?

Answer:

Correcting Answer:

15. How can we ensure that our work in configuring networks reflects a spirit of cooperation and teamwork?

Answer:

Correcting Answer:

References:

Bible Reference: 1 Corinthians 1:10 – "I appeal to you, brothers and sisters, in the name of our Lord Jesus Christ, that all of you agree with one another in what you say and that there be no divisions among you, but that you be perfectly united in mind and thought."

Bible Reference: Proverbs 4:7 – "The beginning of wisdom is this: Get wisdom. Though it cost all you have, get understanding."

EGW Reference: *Testimonies for the Church, Vol. 6, p. 347* – "The work of God requires a thorough, accurate understanding of principles in every line of work."

This worksheet integrates both technical concepts in setting up networks and ethical, collaborative values, rooted in Christian principles.

Worksheet: Mobile Communications – 2G, 3G, 4G Philippians 2:4

Instructions: Answer each question in the space provided. Use the additional space for corrections and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

1. What are the main differences between 2G, 3G, and 4G mobile networks?

Answer:

Correcting Answer:

2. Name three mobile network providers in your country and identify which generation (2G, 3G, 4G) they support.

Answer:

Correcting Answer:

3. How does the mobile network setup affect the quality of voice and video calls on mobile devices?

Answer:

Correcting Answer:

4. What are the advantages of using a 4G mobile network over 2G and 3G for internet access?

Answer:

Correcting Answer:

5. How can you access mobile network services for voice and data on your smartphone?

Answer:

Correcting Answer:

6. What types of data can be transmitted over a 3G and 4G mobile network?

Answer:

Correcting Answer:

7. How does mobile network speed impact the user experience for mobile applications like video streaming or online gaming?

Answer:

Correcting Answer:

8. How can mobile technologies like 4G benefit education and e-learning?

Answer:

Correcting Answer:

9. Explain how mobile network services have changed the way we communicate in the past two decades.

Answer:

Correcting Answer:

10. What factors should be considered when selecting a mobile network provider for optimal coverage and service?

Answer:

Correcting Answer:

11. How does the principle of sharing resources, as described in Philippians 2:4, relate to the sharing of mobile network resources in a community?

Answer:

Correcting Answer:

Bible Reference: Philippians 2:4 – "Let each of you look not only to his own interests, but also to the interests of others."

12. How can mobile technologies and networks enhance communication in the body of Christ?

Answer:

Correcting Answer:

13. Ellen G. White mentions the importance of using technology for the advancement of God's work (*Education*, p. 271). How can mobile networks be used to further God's mission?

Answer:

Correcting Answer:

EGW Reference: *Education*, p. 271 – "The work of God requires that all the resources at our command, including the latest technology, be used to further the work of the gospel."

14. What are the potential disadvantages of mobile networks, and how can they be mitigated?

Answer:

Correcting Answer:

15. How can a better understanding of mobile technologies help you be a responsible user and steward of technology in your community?

Answer:

Correcting Answer:

References:

Bible Reference: Philippians 2:4 – "Let each of you look not only to his own interests, but also to the interests of others."

EGW Reference: *Education*, p. 271 – "The work of God requires that all the resources at our command, including the latest technology, be used to further the work of the gospel."

This worksheet integrates key concepts of mobile communications and networks with biblical principles and Ellen G. White's teachings on responsible and purposeful use of technology.

Worksheet: Communication and networks : Internet Services

Proverbs 21:5

Instructions: Answer each question in the space provided. Use the additional space for corrections and feedback. Reflect on the key Bible verse and Ellen G. White quotes integrated into some of the questions.

1. What is e-Banking, and how does it benefit users?

Answer:

Correcting Answer:

2. Describe the concept of e-Commerce and give an example of an online store that uses it.

Answer:

Correcting Answer:

3. What is the purpose of e-Registration, and how does it help in administrative processes?

Answer:

Correcting Answer:

4. How does e-Learning differ from traditional classroom learning, and what are its key advantages?

Answer:

Correcting Answer:

5. What is e-Marking, and how does it improve the assessment process?

Answer:

Correcting Answer:

6. Define e-Governance and explain how it improves government services.

Answer:

Correcting Answer:

7. How do internet services like e-Banking and e-Commerce ensure secure transactions?

Answer:

Correcting Answer:

8. What are the benefits of accessing e-Learning services for students and educators?

Answer:

Correcting Answer:

9. How does e-Governance help in promoting transparency in government operations?

Answer:

Correcting Answer:

10. How would you access e-Commerce platforms and make an online purchase?

Answer:

Correcting Answer:

11. How can the use of e-Banking help Christians in managing finances according to biblical principles?

Answer:

Correcting Answer:

Bible Reference: Proverbs 21:5 – "The plans of the diligent lead to profit as surely as haste leads to poverty."

12. How can e-Learning provide opportunities for spreading the gospel and educating others about God's word?

Answer:

Correcting Answer:

13. Ellen G. White advocates for the use of modern technologies to help advance the work of the gospel (*Evangelism*, p. 296). How can e-Learning be applied to this mission?

Answer:

Correcting Answer:

EGW Reference: *Evangelism*, p. 296 – "The use of all the resources available, including modern technology, is to be used in spreading the gospel of Jesus Christ."

14. What is the role of e-Registration in making government and educational services more efficient and accessible?

Answer:

Correcting Answer:

15. How does e-Marking help in ensuring fairness and accuracy in evaluating students' work?

Answer:

Correcting Answer:

References:

Bible Reference: Proverbs 21:5 – "The plans of the diligent lead to profit as surely as haste leads to poverty."

EGW Reference: *Evangelism*, p. 296 – "The use of all the resources available, including modern technology, is to be used in spreading the gospel of Jesus Christ."

This worksheet integrates key concepts of internet services such as e-Banking, e-Commerce, e-Learning, and others, with biblical principles and Ellen G. White's teachings on using technology for God's work.