

**Class: X****MODEL PAPER 2026****Time Allowed: 20 minutes****SUBJECT: GENERAL SCIENCE****Q1:****SECTION "A" (MULTIPLE CHOICE QUESTIONS)****Marks: 15****Note:** Attempt **ALL** the MCQs from Section "A". Each MCQ carries **ONE** mark.

1. What is the unit of electric charge?
  - A. Ampere
  - B. Volt
  - C. Coulomb
  - D. Ohm
2. Why do objects become charged?
  - A. Due to gain of protons
  - B. Due to loss of electrons
  - C. Due to gain of electrons
  - D. Due to loss of neutrons
3. What is a potential environmental problem with dumping plastics in landfills?
  - A. They take a long time to decompose.
  - B. They attract pests.
  - C. They release bad odours.
  - D. They react with other chemicals.
4. What indicates that a chemical reaction has occurred when oil and sodium hydroxide are mixed to make soap?
  - A. The mixture becomes cold.
  - B. The mixture changes colour.
  - C. The mixture releases a gas.
  - D. The mixture forms a precipitate.
5. What is the main function of DNA in a cell?
  - A. To synthesize proteins.
  - B. To regulate cell growth.
  - C. To produce energy.
  - D. To store genetic information.
6. What is the relationship between genes and chromosomes?
  - A. Genes are made up of chromosomes.
  - B. Chromosomes are made up of genes.
  - C. Genes and chromosomes are unrelated.
  - D. Genes are the same as chromosomes.
7. What is the purpose of mitosis in cell division?
  - A. To produce gametes.
  - B. To increase genetic variation.
  - C. To repair damaged tissues.
  - D. To produce identical daughter cells.
8. What percentage of water on the earth is fresh water?
  - A. 3%
  - B. 30%
  - C. 50%
  - D. 70%
9. What is a method of reclamation of water?
  - A. Building dams.
  - B. Treating waste water.
  - C. Desalination of seawater.
  - D. Increasing evaporation.
10. What is the main cause of ozone depletion in the stratosphere?
  - A. Carbon dioxide emissions.
  - B. Methane emissions.
  - C. Chlorofluorocarbons (CFCs).
  - D. Nitrous oxide emissions.
11. Is acid rain primarily caused by?
  - A. Emissions of sulfur dioxide and nitrogen oxides.
  - B. Emissions of carbon dioxide.
  - C. Emissions of methane.
  - D. Emissions of ozone.
12. What is the principle behind the working of lasers?
  - A. Reflection of light.
  - B. Refraction of light.
  - C. Amplification of light.
  - D. Diffraction of light.
13. What does ECG stand for, and what is its use?
  - A. Electrocardiogram, to monitor heart activity.
  - B. Electroencephalogram, to monitor brain activity.
  - C. Electromyogram, to monitor muscle activity.
  - D. Echocardiogram, to monitor heart structure.
14. What is the use of radiotherapy in medicine?
  - A. To treat cancer
  - B. To diagnose diseases
  - C. To produce images of internal structures
  - D. To monitor patient health
15. What is the use of optical fiber system in communication?
  - A. To transmit data
  - B. To receive data
  - C. To amplify signals
  - D. To reduce signal loss

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**END OF SECTION "A"**


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Class: X

MODEL PAPER 2026

Time: 2 hours 40 minutes

SUBJECT: GENERAL SCIENCE (SECTION "B" & SECTION "C")  
SECTION "B" (SHORT ANSWER QUESTIONS)Total Marks 60  
30 Marks

**Note:** Attempt any **SIX** questions from Section "B". Each question carries **FIVE** marks.

Q.2 Identify the characteristics of static charges and their effects on objects.

Q.3 Explain the concept of parallel circuits and their application in household wiring.

Q.4 Identify the chemical reactions involved in hair dyeing.

Q.5 Describe the potential environmental impacts of improper chemical disposal in Pakistan.

Q.6 Explain the importance of chromosomes and genes in heredity.

Q.7 Describe the methods of water conservation that can be used in Pakistan.

Q.8 Describe the impact of El-Nino and La-Nina on the climate of Pakistan.

Q.9 Explain the harmful effects of excessive use of mobile phones on health.

Q.10 Describe the uses of lasers in medicine and telecommunications.

Q.11 Identify the benefits of using satellites in communication and navigation.

**SECTION "C" (DETAILED ANSWER QUESTIONS)****30 Marks**

**Note:** Attempt any **THREE** questions from Section "C". Each question carries **TEN** marks.

Q.12 Examine the advantages and disadvantages of using static electricity in industrial applications

Q.13 Compare and contrast the use of traditional media (TV, radio) and modern media (internet, social media) for information dissemination.

Q.14 Analyze the impact of climate change on water resources in Pakistan.

Q.15 Evaluate the effects of El-Nino and La-Nina on agriculture and water resources.

Q.16 Contrast the benefits and drawbacks of using GPS and GIS in navigation.

**END OF PAPER**



# ZIAUDDIN UNIVERSITY

## EXAMINATION BOARD

### Answer Key- Sec A

### General Science X Model Examination Paper 2026

S #	Option
1	C
2	C
3	A
4	D
5	D
6	B
7	D
8	A
9	B
10	C
11	A
12	C
13	A
14	A
15	A



**Rubric**

**Model Examination Paper 2026**

**Class: X**

**Subject: General Science**

**Section: B**

**Q.2** Identify the characteristics of static charges and their effects on objects.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"><li>- Attempts to identify characteristics but incorrect or vague</li><li>- Shows limited understanding of static charges</li><li>- Lacks specific examples of effects on objects</li><li>- Fails to address the question</li></ul>	<ul style="list-style-type: none"><li>- Identifies some characteristics (like attraction, repulsion)</li><li>- Shows some understanding of effects on objects</li><li>- Provides limited examples of static charge applications</li><li>- Addresses most parts of the question</li></ul>	<ul style="list-style-type: none"><li>- Correctly identifies key characteristics (like polarity, induction)</li><li>- Shows clear understanding of effects on objects</li><li>- Provides specific examples of applications or effects</li><li>- Addresses all parts of the question effectively</li></ul>

**Q.3** Explain the concept of parallel circuits and their application in household wiring.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Attempts to explain parallel circuits but incorrect</li> <li>- Shows limited understanding of circuit concept</li> <li>- Lacks specific examples of household applications</li> <li>- Fails to address the question</li> </ul>	<ul style="list-style-type: none"> <li>- Explains parallel circuits (multiple paths for current)</li> <li>- Shows some understanding of household wiring</li> <li>- Provides limited examples of applications</li> <li>- Addresses most parts of the question</li> </ul>	<ul style="list-style-type: none"> <li>- Correctly explains parallel circuits and voltage/current behavior</li> <li>- Shows clear understanding of household wiring advantages</li> <li>- Provides specific examples of applications</li> <li>- Addresses all parts of the question effectively</li> </ul>

**Q.4** Identify the chemical reactions involved in hair dyeing.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Fails to identify chemical reactions.</li> <li>- Does not recognize role of chemicals.</li> <li>- Lacks understanding of hair dyeing process.</li> </ul>	<ul style="list-style-type: none"> <li>- Identifies basic chemicals (e.g., ammonia, hydrogen peroxide).</li> <li>- Recognizes oxidation reaction.</li> <li>- Describes color formation.</li> </ul>	<ul style="list-style-type: none"> <li>- Thoroughly identifies chemical reactions (e.g., oxidation, coupling, and synthesis).</li> <li>- Provides nuanced understanding of chemical processes (e.g., melanin breakdown, dye penetration).</li> <li>- Offers insightful analysis of chemical interactions (e.g., pH, developer role).</li> <li>- Demonstrates in-depth understanding of hair dyeing chemistry.</li> </ul>

**Q.5** Describe the potential environmental impacts of improper chemical disposal in Pakistan.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Fails to identify environmental impacts.</li> <li>- Does not recognize pollution risks.</li> <li>- Lacks understanding of chemical disposal.</li> </ul>	<ul style="list-style-type: none"> <li>- Identifies basic environmental impacts (e.g., water pollution, soil contamination).</li> <li>- Recognizes health risks (e.g., toxicity, disease).</li> <li>- Describes potential ecosystem damage.</li> </ul>	<ul style="list-style-type: none"> <li>- Thoroughly states comprehensive environmental impacts (e.g., air pollution, bioaccumulation).</li> <li>- Provides nuanced understanding of specific risks (e.g., impact on wildlife, human health).</li> <li>- Offers insightful analysis of long-term consequences (e.g., ecosystem disruption, climate change).</li> <li>- Demonstrates in-depth understanding of chemical disposal's environmental implications in Pakistan.</li> </ul>

**Q.6** Explain the importance of chromosomes and genes in heredity.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Fails to describe chromosomes and genes.</li> <li>- Does not recognize role in heredity.</li> <li>- Lacks understanding of genetic transmission.</li> </ul>	<ul style="list-style-type: none"> <li>- Describes basic function of chromosomes and genes (e.g., carrying genetic information).</li> <li>- Recognizes role in trait inheritance (e.g., eye color, height).</li> <li>- Identifies genetic variation.</li> </ul>	<ul style="list-style-type: none"> <li>- Thoroughly explains chromosomes and genes' importance (e.g., determining traits, influencing disease susceptibility).</li> <li>- Provides nuanced understanding of genetic mechanisms (e.g., DNA structure, gene expression).</li> <li>- Offers insightful analysis of heredity patterns (e.g., Mendelian inheritance, genetic disorders).</li> <li>- Demonstrates in-depth understanding of chromosomes and genes' role in heredity and variation.</li> </ul>

**Q.7** Describe the methods of water conservation that can be used in Pakistan.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Fails to describe water conservation methods.</li> <li>- Does not recognize importance of water conservation.</li> <li>- Lacks understanding of Pakistan's water challenges.</li> </ul>	<ul style="list-style-type: none"> <li>- Describes basic water conservation methods (e.g., fixing leaks, using low-flow fixtures).</li> <li>- Recognizes importance of efficient irrigation practices.</li> <li>- Identifies potential for rainwater harvesting.</li> </ul>	<ul style="list-style-type: none"> <li>- Thoroughly describes comprehensive water conservation methods (e.g., drip irrigation, water recycling, greywater reuse).</li> <li>- Provides nuanced understanding of Pakistan's water challenges (e.g., scarcity, climate change).</li> <li>- Offers insightful analysis of community-based initiatives (e.g., public awareness campaigns, water-saving technologies).</li> <li>- Demonstrates in-depth understanding of water conservation's role in Pakistan's sustainable development.</li> </ul>

**Q.8** Describe the impact of El-Nino and La-Nina on the climate of Pakistan.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Fails to describe El-Nino and La-Nina.</li> <li>- Does not recognize climate impacts.</li> <li>- Lacks understanding of Pakistan's climate vulnerability.</li> </ul>	<ul style="list-style-type: none"> <li>- Describes basic climate impacts (e.g., drought, floods).</li> <li>- Recognizes temperature and precipitation changes.</li> <li>- Identifies effects on agriculture.</li> </ul>	<ul style="list-style-type: none"> <li>- Thoroughly describes El-Nino's and La-Nina's specific impacts on Pakistan's climate (e.g., droughts, heavy rainfall, temperature fluctuations).</li> <li>- Provides nuanced understanding of regional variations (e.g., monsoon patterns, glacier melting).</li> <li>- Offers insightful analysis of socioeconomic implications (e.g., food security, water resources, disaster preparedness).</li> <li>- Demonstrates in-depth understanding of El-Nino and La-Nina's role in Pakistan's climate dynamics.</li> </ul>

**Q.9** Explain the harmful effects of excessive use of mobile phones on individuals' health.

Level	Unsatisfactory	Marginal	Good	Exemplary
<b>Max. Marks</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Fails to describe health effects.</li> <li>- Does not recognize risks.</li> <li>- Lacks understanding of mobile phone usage impact.</li> </ul>	<ul style="list-style-type: none"> <li>- Describes basic health risks (e.g., sleep disturbance, eye strain).</li> <li>- Recognizes potential for headaches and fatigue.</li> <li>- Identifies possible link to mental health.</li> </ul>	<ul style="list-style-type: none"> <li>- Thoroughly explains harmful effects (e.g., radiation exposure, decreased attention span, social isolation).</li> <li>- Provides nuanced understanding of physical and mental health impacts (e.g., increased risk of cancer, anxiety, depression).</li> <li>- Offers insightful analysis of behavioral factors (e.g., addiction, decreased physical activity).</li> <li>- Demonstrates in-depth understanding of mobile phone usage's complex health implications</li> </ul>

**Q.10** Describe the uses of lasers in medicine and telecommunications.

Level	Unsatisfactory	Marginal	Good	Exemplary
<b>Max. Marks</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Fails to describe laser uses.</li> <li>- Does not recognize medical applications.</li> <li>- Lacks understanding of telecommunications role.</li> </ul>	<ul style="list-style-type: none"> <li>- Describes basic medical uses (e.g., surgery, skin treatments).</li> <li>- Recognizes telecommunications applications (e.g., fiber optic communications).</li> <li>- Identifies precision and accuracy benefits.</li> </ul>	<ul style="list-style-type: none"> <li>- Thoroughly describes diverse medical uses (e.g., cancer treatment, vision correction, dermatology).</li> <li>- Provides nuanced understanding of telecommunications applications (e.g., high-speed data transmission, signal amplification).</li> <li>- Offers insightful analysis of benefits (e.g., minimally invasive procedures, increased bandwidth).</li> <li>- Demonstrates in-depth understanding of lasers' transformative role in medicine and telecommunications.</li> </ul>

**Q.11** Identify the benefits of using satellites in communication and navigation.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-2</b>	<b>3-4</b>	<b>5</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Attempts to identify benefits but vague or incorrect</li> <li>- Shows limited understanding of satellite uses</li> <li>- Lacks specific examples of communication/navigation</li> <li>- Fails to address the question</li> </ul>	<ul style="list-style-type: none"> <li>- Identifies some benefits (like global coverage, weather forecasting)</li> <li>- Shows some understanding of satellite applications</li> <li>- Provides limited examples of communication or navigation uses</li> <li>- Addresses most parts of the question</li> </ul>	<ul style="list-style-type: none"> <li>- Correctly identifies key benefits (global coverage, GPS, etc.)</li> <li>- Shows clear understanding of satellite applications</li> <li>- Provides specific examples of communication and navigation uses</li> <li>- Addresses all parts of the question effectively</li> </ul>

**Rubric**

**Class: X**

**Subject: General Science**

**Section: C**

**Q.12** Examine the advantages and disadvantages of using static electricity in industrial applications.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Satisfactory</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-3</b>	<b>4-5</b>	<b>6-7</b>	<b>8-10</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Attempts to examine static electricity uses but vague</li> <li>- Shows little understanding of industrial applications</li> <li>- Lacks specific examples of pros and cons</li> <li>- Fails to address the question</li> </ul>	<ul style="list-style-type: none"> <li>- Examines some advantages (like in printers) and disadvantages (like sparks)</li> <li>- Shows some understanding of industrial uses</li> <li>- Provides limited examples of applications</li> <li>- Addresses some parts of the question</li> </ul>	<ul style="list-style-type: none"> <li>- Examines multiple advantages (efficiency, coating) and disadvantages (damage, safety risks)</li> <li>- Shows clear understanding of industrial applications</li> <li>- Provides some examples of specific uses</li> <li>- Addresses most parts of the question</li> </ul>	<ul style="list-style-type: none"> <li>- Correctly examines key advantages and disadvantages in industry</li> <li>- Shows in-depth understanding of static electricity applications</li> <li>- Provides specific, relevant examples of pros and cons</li> <li>- Addresses all parts of the question effectively</li> </ul>

**Q.13** Compare and contrast the use of traditional media (TV, radio) and modern media (internet, social media) for information dissemination.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Satisfactory</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-3</b>	<b>4-5</b>	<b>6-7</b>	<b>8-10</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Fails to describe traditional and modern media.</li> <li>- Does not recognize differences.</li> <li>- Lacks understanding of information dissemination.</li> </ul>	<ul style="list-style-type: none"> <li>- Describes basic characteristics of traditional media (e.g., broadcast, one-way communication).</li> <li>- Recognizes modern media's interactive nature (e.g., social media, online forums).</li> <li>- Identifies reach and accessibility differences.</li> </ul>	<ul style="list-style-type: none"> <li>- Thoroughly compares traditional and modern media's strengths (e.g., TV's broad reach, internet's targeting capabilities).</li> <li>- Contrasts limitations (e.g., TV's one-way communication, social media's information overload).</li> <li>- Analyzes audience engagement and feedback.</li> </ul>	<ul style="list-style-type: none"> <li>- Provides comprehensive comparison and contrast of traditional and modern media's effectiveness.</li> <li>- Offers nuanced understanding of context-dependent advantages (e.g., emergency alerts, targeted advertising).</li> <li>- Demonstrates in-depth understanding of evolving media landscape and its implications for information dissemination.</li> <li>- Identifies future trends and potential challenges.</li> </ul>

**Q.14** Analyze the impact of climate change on water resources in Pakistan.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Satisfactory</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-3</b>	<b>4-5</b>	<b>6-7</b>	<b>8-10</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Fails to describe climate change.</li> <li>- Does not recognize water resource impacts.</li> <li>- Lacks understanding of Pakistan's vulnerability.</li> </ul>	<ul style="list-style-type: none"> <li>- Describes basic climate change effects (e.g., temperature rise, precipitation changes).</li> <li>- Recognizes potential water scarcity issues.</li> <li>- Identifies glacier melting concerns.</li> </ul>	<ul style="list-style-type: none"> <li>- Thoroughly analyzes climate change's impact on water resources (e.g., changing monsoon patterns, increased floods).</li> <li>- Provides nuanced understanding of sectoral impacts (e.g., agriculture, drinking water, hydropower).</li> <li>- Offers insights into adaptation and mitigation strategies.</li> </ul>	<ul style="list-style-type: none"> <li>- Provides comprehensive analysis of climate change's impact on Pakistan's water resources (e.g., data-driven projections, regional variations).</li> <li>- Demonstrates in-depth understanding of socioeconomic implications (e.g., food security, human migration).</li> <li>- Offers insightful policy and management recommendations.</li> <li>- Identifies potential research gaps and future directions.</li> </ul>

**Q.15** Evaluate the effects of El-Nino and La-Nina on agriculture and water resources in Pakistan.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Satisfactory</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-3</b>	<b>4-5</b>	<b>6-7</b>	<b>8-10</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Fails to describe El-Nino and La-Nina.</li> <li>- Does not recognize climate impacts.</li> <li>- Lacks understanding of agricultural and water resource effects.</li> </ul>	<ul style="list-style-type: none"> <li>- Describes basic El-Nino and La-Nina effects (e.g., drought, floods).</li> <li>- Recognizes potential impacts on crop yields.</li> <li>- Identifies water scarcity or excess concerns.</li> </ul>	<ul style="list-style-type: none"> <li>- Thoroughly evaluates El-Nino's and La-Nina's specific impacts on agriculture (e.g., crop damage, livestock losses).</li> <li>- Analyzes effects on water resources (e.g., reservoir levels, irrigation challenges).</li> <li>- Offers insights into regional variations and vulnerabilities.</li> </ul>	<ul style="list-style-type: none"> <li>- Provides comprehensive evaluation of El-Nino's and La-Nina's effects on Pakistan's agriculture and water resources (e.g., data-driven analysis, case studies).</li> <li>- Demonstrates in-depth understanding of socioeconomic implications (e.g., food security, economic losses).</li> <li>- Offers insightful recommendations for adaptation, mitigation, and resilience-building strategies.</li> <li>- Identifies potential policy and management implications.</li> </ul>

**Q. 16** Contrast the benefits and drawbacks of using GPS and GIS in navigation.

<b>Level</b>	<b>Unsatisfactory</b>	<b>Marginal</b>	<b>Satisfactory</b>	<b>Good</b>	<b>Exemplary</b>
<b>Max. Marks</b>	<b>0</b>	<b>1-3</b>	<b>4-5</b>	<b>6-7</b>	<b>8-10</b>
<b>Description</b>	Provides no response or provides irrelevant response	<ul style="list-style-type: none"> <li>- Attempts to contrast GPS and GIS but incorrect or vague</li> <li>- Shows little understanding of navigation technologies</li> <li>- Lacks specific examples of benefits/drawbacks</li> <li>- Fails to address the question</li> </ul>	<ul style="list-style-type: none"> <li>- Contrasts some benefits (like accuracy, mapping) and drawbacks (like signal loss)</li> <li>- Shows some understanding of GPS and GIS uses</li> <li>- Provides limited examples of navigation applications</li> <li>- Addresses some parts of the question</li> </ul>	<ul style="list-style-type: none"> <li>- Contrasts multiple benefits (real-time data, spatial analysis) and drawbacks (errors, complexity)</li> <li>- Shows clear understanding of GPS and GIS differences</li> <li>- Provides some examples of specific navigation uses</li> <li>- Addresses most parts of the question</li> </ul>	<ul style="list-style-type: none"> <li>- Correctly contrasts key benefits and drawbacks of GPS and GIS in navigation</li> <li>- Shows in-depth understanding of technologies and applications</li> <li>- Provides specific, relevant examples of uses and limitations</li> <li>- Addresses all parts of the question effectively</li> </ul>