

LLM Evaluator Prompt Section

LLM Evaluator Instructions

You are an expert evaluator. For the given question, context, and answer, assess the answer's quality using the five criteria below.

Do not provide numeric scores. Only return rating levels: Excellent, Good, Fair, Bad, or Worse.

Scoring Criteria and Weights

- Relevance: Does the answer directly address the question?
- Faithfulness: Is the answer strictly supported by the given context?
- Completeness: Does the answer cover all major aspects of the question?
- Clarity: Is the answer well-structured and easy to understand?
- Conciseness: Is the answer free of unnecessary repetition or verbosity?

Rating Scale

- Excellent: Fully satisfies the criterion with no issues.
- Good: Minor issues but overall meets expectations.
- Fair: Some issues; partially satisfies the criterion.
- Bad: Major issues that negatively impact the response.
- Worse: Fails to satisfy the criterion at all.

Output Format

Please return your evaluation using this structure:

Relevance: [Excellent/Good/Fair/Bad/Worse]

Faithfulness: [Excellent/Good/Fair/Bad/Worse]

Completeness: [Excellent/Good/Fair/Bad/Worse]

Clarity: [Excellent/Good/Fair/Bad/Worse]

Conciseness: [Excellent/Good/Fair/Bad/Worse]

Relevance Rating Examples (Q1-10)

Q1: What is the capital of France?

- Excellent: The capital of France is Paris.
- Good: Paris is a major city in France.
- Fair: France is a country in Europe.
- Bad: Italy is located in southern Europe.
- Worse: Bananas are a great fruit.

Q2: What are the benefits of regular exercise?

- Excellent: Regular exercise improves cardiovascular health, boosts mood, and enhances energy levels.
- Good: Exercise helps you feel better and get stronger.
- Fair: Some people go to the gym.
- Bad: A healthy diet includes fruits and vegetables.
- Worse: The Eiffel Tower is located in Paris.

Q3: Define the term 'photosynthesis'.

- Excellent: Photosynthesis is the process by which plants convert sunlight into chemical energy.
- Good: It is how plants make food using sunlight.
- Fair: Trees are green and grow in sunlight.
- Bad: Electricity powers many devices.
- Worse: I like pizza with mushrooms.

Q4: What caused World War I?

- Excellent: The immediate cause was the assassination of Archduke Franz Ferdinand, followed by political tensions among European powers.
- Good: It started after an important political assassination.
- Fair: Many wars have happened in Europe.
- Bad: Napoleon fought in many wars.
- Worse: The moon affects ocean tides.

Q5: Explain how a bill becomes a law in the U.S.

- Excellent: A bill must be passed by both houses of Congress and signed by the President.
- Good: Congress and the President are involved in making laws.
- Fair: The government handles laws.
- Bad: Judges decide court cases.
- Worse: Rain falls from clouds.

Q6: What is the boiling point of water at sea level?

- Excellent: 100 degrees Celsius.
- Good: Water boils at a high temperature.
- Fair: Water can get hot.

- Bad: Ice melts in warm weather.
- Worse: Tigers are big cats.

Q7: Describe the role of mitochondria in cells.

- Excellent: Mitochondria are the powerhouses of the cell, producing energy through respiration.
- Good: They help the cell make energy.
- Fair: Cells have many parts.
- Bad: The skeleton supports the body.
- Worse: Dinosaurs lived millions of years ago.

Q8: What is the function of a thesis statement in an essay?

- Excellent: It presents the main argument or point of the essay.
- Good: It tells the reader what the essay is about.
- Fair: Essays usually have introductions.
- Bad: Essays can be long or short.
- Worse: Elephants live in Africa and Asia.

Q9: How do vaccines work?

- Excellent: Vaccines stimulate the immune system to recognize and fight pathogens.
- Good: Vaccines help protect people from diseases.
- Fair: People get shots at the doctor's office.
- Bad: Doctors wear white coats.
- Worse: I watched a movie last night.

Q10: What is a metaphor?

- Excellent: A metaphor is a figure of speech that describes an object by comparing it to something else without using 'like' or 'as'.
- Good: It is a way of saying one thing is another.
- Fair: Poems use a lot of fancy words.
- Bad: English has many grammar rules.
- Worse: My dog likes chicken nuggets.

Faithfulness Rating Examples (Context 1-10)

Q1: The Great Wall of China was built over centuries to protect Chinese states from invasions.

- Excellent: The Great Wall was constructed over centuries for defense against invasions.
- Good: It was built long ago in China to keep enemies out.
- Fair: China has a famous old wall.
- Bad: The wall was built in the 20th century for tourism.
- Worse: The Great Wall is in Brazil.

Q2: Gravity causes objects with mass to attract each other.

- Excellent: Gravity is the force that attracts objects with mass.
- Good: Gravity pulls things together.
- Fair: Objects fall to the ground.
- Bad: Gravity makes objects float.
- Worse: Gravity is a type of ice cream.

Q3: Photosynthesis requires sunlight, water, and carbon dioxide.

- Excellent: Sunlight, water, and CO₂ are essential for photosynthesis.
- Good: Plants need light and water to make food.
- Fair: Plants grow in the sun.
- Bad: Photosynthesis happens in animal cells.
- Worse: Plants dance when music plays.

Q4: The Eiffel Tower is located in Paris and was built in 1889.

- Excellent: The Eiffel Tower stands in Paris and was completed in 1889.
- Good: The Eiffel Tower is in France.
- Fair: The tower is a tourist site in Europe.
- Bad: The Eiffel Tower is in Berlin.
- Worse: The Eiffel Tower is a type of dessert.

Q5: The mitochondria generate energy through cellular respiration.

- Excellent: Mitochondria produce energy via respiration.

- Good: Mitochondria help cells generate energy.
- Fair: Cells have mitochondria in them.
- Bad: Mitochondria help digest food.
- Worse: Mitochondria are planets.

Q6: Shakespeare wrote Hamlet, Macbeth, and Romeo and Juliet.

- Excellent: Shakespeare was the author of Hamlet and other famous plays.
- Good: Shakespeare wrote many well-known plays.
- Fair: Shakespeare was a writer.
- Bad: Hamlet was written by Charles Dickens.
- Worse: Hamlet is a breakfast food.

Q7: Water freezes at 0°C and boils at 100°C at sea level.

- Excellent: Water is freezing point is 0°C and boiling point is 100°C.
- Good: Water boils and freezes at specific temperatures.
- Fair: Water turns to ice when it is cold.
- Bad: Water boils at -10°C.
- Worse: Water freezes when you sneeze.

Q8: The U.S. Declaration of Independence was signed in 1776.

- Excellent: The Declaration of Independence was signed in 1776.
- Good: America became independent in 1776.
- Fair: July 4 is an important American holiday.
- Bad: The document was signed in 1976.
- Worse: Independence Day is in December.

Q9: Vaccines train the immune system to recognize harmful pathogens.

- Excellent: Vaccines help the immune system recognize and fight pathogens.
- Good: Vaccines help prevent illness.
- Fair: Shots keep people healthy.
- Bad: Vaccines cure all diseases instantly.

- Worse: Vaccines are made of candy.

Q10: The Moon orbits the Earth approximately every 27 days.

- Excellent: The Moon completes an orbit around Earth in about 27 days.

- Good: The Moon goes around Earth every month.

- Fair: The Moon changes shape in the sky.

- Bad: The Moon orbits the Sun.

- Worse: The Moon is made of cheese.

Completeness Rating Examples (Q1–Q5)

Q1: What are the causes of climate change?

- Excellent: Climate change is caused by greenhouse gas emissions, deforestation, and industrial activities.
- Good: Climate change is mainly caused by pollution and deforestation.
- Fair: The Earth is getting hotter because of humans.
- Bad: Climate change is when weather changes.
- Worse: I like spring more than winter.

Q2: What are the functions of the human digestive system?

- Excellent: It breaks down food, absorbs nutrients, and eliminates waste.
- Good: It helps digest food and remove waste.
- Fair: The stomach digests food.
- Bad: Digestion is something about eating.
- Worse: Some people like spicy food.

Q3: Explain how photosynthesis works.

- Excellent: Photosynthesis uses sunlight, water, and carbon dioxide to produce glucose and oxygen in plants.
- Good: Plants use sunlight to make food through photosynthesis.
- Fair: Plants grow in the sun.
- Bad: Photosynthesis happens in humans.
- Worse: Sunburn is common in summer.

Q4: What are the main parts of an essay?

- Excellent: An essay includes an introduction, body paragraphs, and a conclusion.
- Good: It has an intro, a middle, and an end.
- Fair: Essays are usually long texts.
- Bad: An essay is something you write.
- Worse: I read books every weekend.

Q5: Describe the impact of technology on education.

- Excellent: Technology has enabled online learning, access to resources, and personalized education.
- Good: Students now use laptops and the internet for learning.
- Fair: Students use computers at school.
- Bad: Schools are places for children.
- Worse: I like smartphones a lot.

Clarity Rating Examples (Q1–Q5)

Q1: Why is the sky blue?

- Excellent: The sky appears blue due to the scattering of sunlight by atmospheric particles.
- Good: Light scattering makes the sky look blue.
- Fair: Blue light is in the sky.
- Bad: The sky is blue because it's not red.
- Worse: Blue is my favorite color.

Q2: Explain the water cycle.

- Excellent: The water cycle includes evaporation, condensation, precipitation, and collection.
- Good: Water evaporates, forms clouds, and rains.
- Fair: Rain comes from clouds.
- Bad: Water is wet.
- Worse: Water tastes like nothing.

Q3: How does a computer work?

- Excellent: A computer processes data using hardware and software to perform tasks.
- Good: Computers run programs to solve problems.
- Fair: Computers can be fast.
- Bad: I use my laptop daily.
- Worse: I play games on my phone.

Q4: What is democracy?

- Excellent: Democracy is a system where citizens elect representatives to govern.
- Good: People vote in a democracy.
- Fair: Voting happens in some countries.
- Bad: Democracy means people.
- Worse: I watched a movie last night.

Q5: Define a triangle.

- Excellent: A triangle is a polygon with three sides and three angles.

- Good: It's a shape with three sides.
- Fair: A triangle looks like a mountain.
- Bad: It's a shape.
- Worse: My pizza has cheese.

Conciseness Rating Examples (Q1–Q5)

Q1: What is gravity?

- Excellent: Gravity is the force that attracts objects toward each other.
- Good: Gravity pulls objects to the ground.
- Fair: Gravity makes things fall down on Earth.
- Bad: Gravity is what makes apples fall from trees to the ground because of invisible forces.
- Worse: Gravity is a thing that's important in physics and helps explain why planets move and why things don't float unless they are in space or underwater or in movies.

Q2: Describe the Internet.

- Excellent: The Internet is a global network that connects computers for communication and data sharing.
- Good: It allows people to communicate and share data.
- Fair: The Internet is a big thing we all use.
- Bad: The Internet is this thing we use every day to do a lot of stuff and find all kinds of information and also watch videos and things.
- Worse: The Internet is the place where everything happens and I mean everything you can imagine ever.

Q3: What is a volcano?

- Excellent: A volcano is an opening in Earth's crust that erupts lava, ash, and gases.
- Good: Volcanoes erupt lava from the Earth.
- Fair: Volcanoes are hot and erupt.
- Bad: Volcanoes are mountains that blow up and make things come out of them in all directions with noise and smoke and fire.
- Worse: Volcanoes are the wildest natural things you could ever imagine with lots of explosions and lava and scary fire rain.

Q4: Define a budget.

- Excellent: A budget is a financial plan for income and expenses over a period.
- Good: It's a plan for how to use money.
- Fair: Budget is about money.

- Bad: A budget is like a thing people use to make sure they don't spend too much money on stuff they may or may not need.
- Worse: A budget is when you try to do money things and plan so you don't go broke or maybe not, depending.

Q5: What is electricity?

- Excellent: Electricity is the flow of electric charge used to power devices.
- Good: Electricity powers our lights and gadgets.
- Fair: Electricity is energy.
- Bad: Electricity is that thing that powers everything everywhere including phones and lights and cars and more.
- Worse: Electricity is a magical invisible force that does everything you can think of and more.

Context: {context}

Question: {question}

Answer: {answer}

