



KERALA TALENT ACADEMY
Kerala Talent Cognitive Skills Assessment (KTCSA)
HSS Level (Higher Secondary) - Classes 11 to 12
SET B -Memory Skills(Sample Paper)

⚠ IMPORTANT INSTRUCTION FOR TEACHER / INVIGILATOR ONLY

- 📖 STEP 1:** Read the memory passage below **ONLY ONCE** aloud to all students
- 🔊 STEP 2:** Students must **NOT WRITE ANYTHING** while listening
- ✖ STEP 3:** After reading, close/keep this page with you
- 📄 STEP 4:** Distribute **Page 2 (Question Paper)** to all students
- 🕒 STEP 5:** Students have **5 minutes** to answer on OMR sheet
- 🔒 NOTE:** **DO NOT** distribute this page to students

MEMORY PASSAGE (Read aloud to students - ONCE ONLY)

Climate Change and Global Warming

Climate change refers to long-term shifts in temperature and weather patterns. The main cause is human activities, especially burning fossil fuels like coal, oil, and gas. This releases greenhouse gases such as carbon dioxide and methane.

The Earth's average temperature has risen by about 1.1°C since the late 19th century. The Paris Agreement (2015) aims to limit global warming to well below 2°C, preferably 1.5°C.

Melting ice caps, rising sea levels, extreme weather events, and loss of biodiversity are major impacts. India is highly vulnerable due to its long coastline and dependence on monsoon rains. Renewable energy sources like solar and wind are being promoted to reduce carbon emissions.

⊖ TEACHER ONLY - DO NOT DISTRIBUTE TO STUDENTS ⊖

After reading the passage aloud, keep this page with you. Then distribute Page 2.



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Instructions:

You have just heard a passage about " Climate Change and Global Warming "

5 questions | 1 mark each | No negative marking

Read each question carefully | Write answers on OMR sheet

Total marks: 5 | Time Allowed: 5 minutes

1. What is the main cause of climate change according to the passage?
(A) Volcanic eruptions (B) Human activities (C) Solar flares (D) Ocean currents
2. By how much has the Earth's average temperature risen since the late 19th century?
(A) 0.5°C (B) 1.1°C (C) 2.0°C (D) 3.5°C
3. What is the preferred temperature limit mentioned in the Paris Agreement?
(A) 1°C (B) 1.5°C (C) 2°C (D) 2.5°C
4. Which country is mentioned as highly vulnerable due to its long coastline?
(A) USA (B) China (C) India (D) Australia
5. Which renewable energy sources are being promoted?
(A) Coal and Oil (B) Solar and Wind (C) Nuclear only (D) Hydro only