

SHEET 1

PENANG SANGAM HIGH SCHOOL

YEAR 13

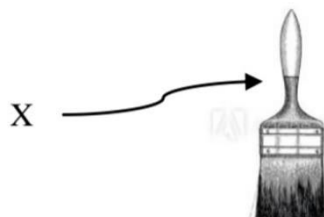
APPLIED TECHNOLOGY

WORKSHEET – 1

MULTIPLE CHOICE QUESTION

(5 marks)

1. The progressive powdering of the paint film on a painted surface is called
 - A. Dilution.
 - B. Cracking.
 - C. Chalking.
 - D. Contamination.
2. The material added in the paint to contribute to its colour is called
 - A. Filler.
 - B. Diluent.
 - C. Solvent.
 - D. Pigment.
3. Cracking of paint film on a concrete wall is caused by
 - A. Incorrect diluent.
 - B. Improper surface treatment.
 - C. External agents like air and water.
 - D. Allowing the paint to dry completely before the next coat is applied.
4. Which of the following will help reduce the impact of climate change in engineering?
 - A. Use finishes that are hazardous
 - B. Use spray paints when painting
 - C. Reduce the use of renewable energy
 - D. Select processes with less gas emissions
5. The part labelled X in the diagram given on the right is the
 - A. Handle.
 - B. Ferrule.
 - C. Bristle.
 - D. Paint spreader.



SHEET 2

SHORT ANSWER QUESTIONS

(15 marks)

1. Differentiate between a **Low Volume Low Pressure** (LVLP) and **High Volume Low Pressure** spray gun (HVLP). **(2 marks)**

2. Explain the importance of having **pigment** as a component of paint. **(1 mark)**

3. Define the term **Blistering** in paint. **(1 mark)**

4. Name the three technologies for charging the fluids? **(3 marks)**

5. Name and explain three components of paint. **(3 marks)**

6. Explain the term automated linear spray system. **(2 marks)**

7. Identify three different types of nozzle. **(3 marks)**

THE END