

## Unit 4 – Hydrogen Distribution and

### Safety

# **TEST PAPER**

Name :-	
Name :-	• • • • • • • • • • • • • • • • • • • •

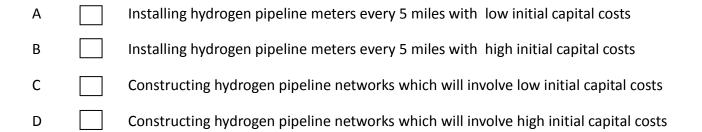
Date :- .....

#### Instructions: -

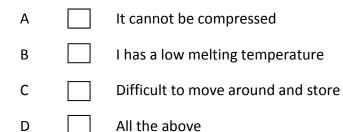
- Try to answer all questions
- Read each question carefully and choose the correct answer: A,B,C or D
- Make sure you only mark one answer for each question

## Unit 4 – Hydrogen Distribution and Safety TEST

#### 1) Scaling up hydrogen infrastructure for mass hydrogen distribution and delivery will lead to:-



#### 2) Identify one disadvantage of using hydrogen energy?



#### 3) Hydrogen is expensive as it requires:-

- A A lot of work to free if from other elements
  B A lot of work to join it with other elements
  C A lot of work to free if from other molecules
- D A lot of work to join it with other molecules

(1.1)

	4) The least expensive way to deliver large volumes of hydrogen is by:-			
A			High pressure tube trailers	
В			Liquefied hydrogen tankers	
С			Pipeline	
D			Canisters	(1.2)
				(1.2)
	5) Cryogenic liquefaction enables hydrogen to be transported:-			
A			More efficiently over longer distances by truck, railcar, ship, or barge	

- B More efficiently over shorter distances by truck, railcar, ship, or barge
- C More efficiently over longer distances by pipeline
- D More efficiently over shorter distances by canisters

(1.2)

#### 6) When handling a hydrogen cylinder?

- A Do not open the hydrogen cylinder valve before connecting it
- B Do not put the cylinder outside
- C Do not open the hydrogen cylinder valve if it's raining
- D Do not put the cylinder on its side

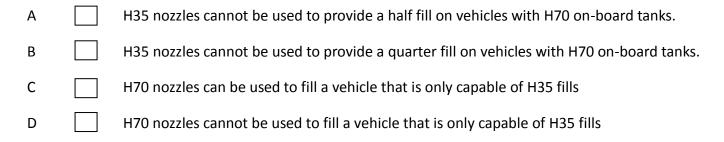
(2.1)

#### 7) Which statement is correct?

А	Hydrogen is sold by mass(kg) and dispensed under pressure at either 350 or 700 bar
В	Hydrogen is sold by mass(kg) and dispensed under pressure at either 950 or 1250 bar
С	Hydrogen is sold by volume (m3) and dispensed under pressure at either 350 or 700 bar
D	Hydrogen is sold by volume (m3) and dispensed under pressure at either 950 or 1250 bar

(2.1)

#### 8) Which statement is correct?



(2.1)