

Interview Questions

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40 TOP Fuels and Combustion Online Test – Multiple Choice Questions and Answers

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Congratulations – you have completed **Fuels and Combustion Online Test Set 1**.

You scored **2** points out of **10** points total.

Your answers are shown below:

1. Which of the following petrographic constituents of coal is non-coking ?

- **Clarain**
- **Fussain**

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- Vitrain
- Durain

2. “Overfire burning” in a furnace is a phenomenon characterised by the

- supply of excess air
- **burning of carbon monoxide and other incombustibles in upper zone of furnace by supplying more air**
- supply of excess fuel
- none of these

3. Abrasion index of blast furnace coke should be around _____ percent

- 20
- 35
- **55**
- 80

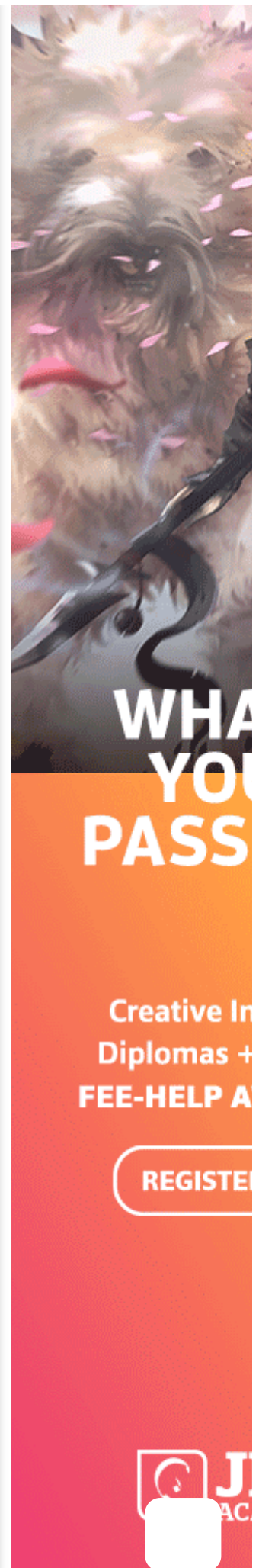
4. The heat of combustion of a fuel

- is always positive
- **can't be known without calculating it**
- is always negative
- is equal to the heat of formation

5. With increase in moisture content of coal, its

- clinkering tendency during combustion increases
- calorific value increases sometimes
- **bulk density always decreases**
- none of these

6. Proximate analysis of coal determines its _____ content



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- **moisture, sulphur, nitrogen & fixed carbon**
- moisture, ash, sulphur & volatile matter
- moisture, volatile matter, ash & fixed carbon
- none of these

7. _____ has the widest inflammability limit (explosion limit) of all the gases

- Methane
- **Acetylene**
- Hydrogen
- Carbon monoxide

8. Yield of pitch from distillation of high temperature tar is around _____ percent

- 10
- **25**
- 65
- 100

9. 'Fat' coal means a coal having

- low ash content
- **low calorific value**
- high volatile matter
- non smoking tendency

10. In flue gas analysis by Orsat's apparatus, carbon dioxide is absorbed by

- potassium hydroxide
- **dilute potassium carbonate**
- alkaline pyragllol solution
- cuporus chloride

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