

**Fourth Semester FYUGP Degree (Reg) Examination April
2026**

KU4SECCE102 - FUEL CHEMISTRY

2024 Admission onwards

Time : 1.5 hours

Maximum Marks : 35

Section A

Answer any 6 questions. Each carry 2 marks.

1. What is meant by flash point?
2. Write two methods for industrial production of hydrogen.
3. What is meant by conducting lubricating oil?
4. What is the cleanest fuel?
5. Name two coal tar based chemicals with uses
6. Define gaseous fuels with examples.
7. What is crude Petroleum?
8. What is meant by clean fuels? Write any one of its use?

Section B

Answer any 4 questions. Each carry 4 marks.

9. Write the principle and procedure of fractional distillation of petroleum.
10. Define liquid fuels and mention their important advantages over solid fuels
11. Explain fuel from waste and its importance.
12. Write a short note on synthetic lubricants.
13. Explain the requisites of a good metallurgical coke.
14. Explain the industrial production and uses of hydrogen as a fuel.

Section C

Answer any 1 questions. Each carry 7 marks.

15. Discuss the fuel and non-fuel uses of coal.
16. Discuss the development and testing methods of liquid fuels.