Week-1 Assignment

Due on 2019-08-14, 23:59 IST.

1) Come-explaining the vapor phase region from the two phase region is known as
   - Critical point curve
   - Gas point curve
   - Bubble point curve
   - Quality curve
   No, the answer is incorrect. Score: 0
   Accepted Answers:
   - New point curve

2) If initial reservoir pressure is greater than bubble point pressure of the reservoir fluid, reservoir is known as
   - Under reservoir
   - Gas reservoir
   - Saturation reservoir
   No, the answer is incorrect. Score: 0
   Accepted Answers:
   - Undersaturated reservoir

3) If the reservoir temperature is above the critical temperature of the hydrocarbon system, reservoir is classified as
   - Oil reservoir
   - Gas reservoir
   - Wet gas reservoir
   No, the answer is incorrect. Score: 0
   Accepted Answers:
   - None of the above

4) When gas oil ratio is in between 8000 - 70000 std ft³/STB, reservoir is classified as
   - Near critical gas condensate
   - Wet gas
   - Dry gas
   - Gas/oil ratio gas condensate reservoir
   No, the answer is incorrect. Score: 0
   Accepted Answers:
   - Retractable gas condensate reservoir

5) When gas oil ratio is in between 60000 - 150000 std ft³/STB and steam tank oil gravity is above 62 KGRA, reservoir is classified as
   - Near critical gas condensate
   - Wet gas
   - Dry gas
   - Retractable gas condensate reservoir
   No, the answer is incorrect. Score: 0
   Accepted Answers:
   - None of the above

6) Which of the following countries has highest recoverable natural gas reserves?
   - Russia
   - USA
   - China
   - Saudi Arabia
   No, the answer is incorrect. Score: 0
   Accepted Answers:
   - Qatar

7) Which of the following exploration techniques employed before drilling a well to confirm the existence of the petroleum reservoir at that place
   - Geophysical survey
   - Geochemical survey
   - Magnetic survey
   - Oil well above
   No, the answer is incorrect. Score: 0
   Accepted Answers:
   - All of the above

8) When natural gas contains significant amount of Hydrogen sulphide, it is known as
   - Lean gas
   - Sweet gas
   - Sour gas
   - None of the above
   No, the answer is incorrect. Score: 0
   Accepted Answers:
   - Sour gas

9) Gas which contains mainly methane (about 80%), ethane and very few higher hydrocarbons are called
   - Sweet gas
   - Sour gas
   - Lean gas
   - Rich gas
   No, the answer is incorrect. Score: 0
   Accepted Answers:
   - Lean gas

10) Solve by residue Naphthen method up to five decimal places
    \[ f(x) = x^n - x \]
    Consider initial guess \( x_0 = 0 \)
    - 0.64714
    - 0.63433
    - 0.34321
    - 0.23452
    No, the answer is incorrect. Score: 0
    Accepted Answers:
    - 0.00174