قائمة الاسئلة
تطبيقات الحاسوب في هندسة النفط - (PNGE)- المستوى الثالث -قسم هندسة النفط والغاز - الكل - كلية البترول والموارد الطبيعية - الفترة الأولى- در
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1) Oil and Gas ………….is a large umbrella category that includes exploration, extraction, engineering, production, and asset management
   1) + a. Software
   2) - b. PDF
   3) - c. DOC
   4) - d. a,b & c

2) Oil and Gas Software can be broken down into the following sub-categories
   1) - a. Oil and Gas Exploration Software
   2) - b. Oil and Gas Simulation and Modeling Software
   3) - c. Oil and Gas Production Software
   4) + d. a,b & c

3) ……….. Digital Log Interchange Standard from the Schlumberger/API, handles array data.
   1) - LAS
   2) + DLIS
   3) - ASCII
   4) - TXT

4) ………...software: it's one of petroleum software made by LR LIoyd's Register company use for log interpretation
   1) - petrel
   2) + IP
   3) - Geolog
   4) - other

5) Oil and Gas ………………… Features: Help evaluate oil and gas deposits , Capture and record geoscience surface and subsurface data
   1) + Exploration Software
   2) - Simulation and Modeling Software
   3) - Production Software
   4) - Drilling Software

6) (……………...) Log ASCII Standard from the Canadian Well Logging Society, header data, readable
   1) + LAS
   2) - DLIS
   3) - ASCII
   4) - TXT

7) ………………………….. evaluate the potential seismic risks associated with the planned extraction of oil and gas deposits
   1) - Drilling Software
   2) - Simulation and Modeling Software
   3) - Production Software
   4) + Geology and seismic software

8) You will need the following hardware and applications in order to perform the workflow
   1) - a. 2GB of RAM
   2) - b. For IP 32 or 64-bit
   3) - c. A graphic card compatible with software
   4) + d. a , b & c

9) …………………….. Manages extraction operations, with the goal of optimizing resource utilization,

profitability. and reporting for production costs
1) - Drilling Software
2) - Simulation and Modeling Software
3) + Production Software
4) - Geology and seismic software

10) Import well logs including ………………………………………
1) - a. Sonic Log
2) - b. Gamma log
3) - c. Density log
4) + d. a, b & c

11) Oil and gas ……………………… offers specialized training for oil and gas operations, focusing on worker safety and education, optimizing the potential of resources and equipment
1) - Drilling Software
2) - Simulation and Modeling Software
3) - Production Software
4) + training software

12) Formation porosity can be computed by IP software using
1) - a. Neutron log
2) - b. Density log
3) - c. sonic log
4) + d. a , b and c

13) ……… a record of a subsurface property as a function of depth
1) + a. Well logs
2) - b. Well Tops
3) - c. Well deviation
4) - d. b & c

14) To interpret well logs with any of software right the first time
1) - a. Upload data
2) - b. Display the log curves on the same log plot
3) - c. Prepare the logs for analysis and Build your models
4) + d. a .b & c

15) In petroleum engineering work computers were used to solve problems in:
1) - a. surface separation
2) - b. primary reservoir performance
3) - c. pressure maintenance and secondary recovery operations
4) + d. a. b & c

16) Your first task is to learn about the Oil Software project for which a model is to be built. You must determine Engineering Goals
1) + true .
2) - false .

17) Supercomputers are not used for the exploration of natural resources, such as natural gas, petroleum, etc.
1) - true .
2) + false .

18) Engineering software determines how best to exploit resource deposits
1) + true .
2) - false .

19) Oil and gas asset management software tracks resources and equipment across multiple sites.
1) + true .
2) - false .

20) Oil and Gas Software is not used by producers, pipeline, and field operations, and by their scientists, engineers, operations staff, and management.
1) - true .
2) + false .

21) The quality of the input data should be reviewed at the start of the project to judge what can be done to improve or replace it
1) + true .
2) - false .

22) You cannot import well survey data by IP software.
1) - true .
2) + false .

23) Petrel is one of petroleum software made by Schlumberger company use for Reservoir model , production and well design
1) + true .
2) - false .

24) Well path design process is a tool which enables users to generate well trajectories
1) + true .
2) - false .

25) It is important to ensure that a complete set of quality-controlled composite data is available for spatial modelling and property analyses
1) + true .
2) - false .

26) Mobiles are used for the exploration of natural resources, such as natural gas, petroleum, coal, etc.
1) + true .
2) - false .

27) You can import and export well logs data by Techlog software.
1) + true .
2) - false .

28) Cross plot cannot display any type of data.
1) - true .
2) + false .

29) The quality of the output data should be reviewed at the end of the project.
1) + true .
2) - false .

30) In petroleum engineering work computers were used to solve problems in:-
1) - a. surface separation
2) - b. primary reservoir performance
3) - c. gas field operations
4) + d. a,b & c

31) ………...software identifies and evaluates resource deposits; their size and accessibility
1) + a. Exploration
2) - b. Simulation
3) - c. Production
4) - d. Engineering

32) ……….. software offers specialized training for oil and gas operations, focusing on worker safety and education
1) - a. Exploration
2) - b. Simulation
3) - c. Production

4)   +   d. training

33) The quality of the …………… data should be reviewed at the start of the project to judge what can be done to improve or replace it.
1)   +   a. input
2)   -   b. output
3)   -   c. model
4)   -   d. a,b & c

34) Your first task is to learn about the Oil Software project for which a model is to be built. You must determine Engineering Goals. Engineering seeks to economically optimize the development and production of hydrocarbon reservoirs. This requires answers to questions:
1)   -   a. How much hydrocarbon does the reservoir contain?
2)   -   b. How much of it can be recovered?
3)   -   c. How fast can it be recovered?
4)   +   all answer

35) VISTA software: it's one of Exploration software made by schlumberger company.
1)   +   true .
2)   -   false .

36) if there are any inconsistencies in the input data, they will not show up in the end result and at every intermediate modelling step
1)   -   true .
2)   +   false .

37) Landmark software: it's one of Production software
1)   -   true .
2)   +   false .

38) The primary source for reservoir property data is the petrophysical interpretation of porosity and water saturation.
1)   +   true .
2)   -   false .

39) Oil and Gas Software is used by producers, pipeline, and field operations, and by their scientists, engineers, operations staff, and management.
1)   +   true .
2)   -   false .