

# Γ ΕΞΑΜΗΝΟ ΕΠΑΝΑΛΗΠΤΙΚΕΣ ΕΞΕΤΑΣΕΙΣ - 16 ΦΕΒΡΟΥΑΡΙΟΥ 2021

Έχετε 75 λεπτά. Διαλέξτε την πιο σωστή απάντηση. Η εξέταση είναι με κλειστά βιβλία. Κάποιες ερωτήσεις παίρνουν ένα βαθμό, ενώ άλλες 2. Το σύνολο είναι 100 points. Όταν τελειώσετε πατήστε submit, γράψτε και submit στο chat της ομάδας και αποχωρείστε. Καλή επιτυχία.

\* This form will record your name, please fill your name.

1. The process of improving quality is .....  
(2 Points)

- elimination
- emission
- accumulation
- treatment

2. Non-combustible solid material in the fuel which scratches the rubbing surfaces it comes in contact with is .....  
(2 Points)

- sulphur
- hydrogen sulphide
- ash content
- carbon residue

3. ....in the lubricating oil improve its quality.

(2 Points)

- Preventers
- Additives
- VI improvers
- Inhibitors

4. The fuel is sprayed into the cylinder by the .....valve.

(1 Point)

- ignition
- injection
- inlet

5. Between the booster pump and the high-pressure fuel pumps the fuel is first preheated and .....by a strainer.

(2 Points)

- preheated
- filtered
- drawn
- checked

6. The temperature at which the fuel vapours produce a flash when a flame is applied is.....

(2 Points)

- heating value
- pour point
- flash point
- cetane number

7. The .....neutralizing capacity of oil is represented by its total base number value.

(1 Point)

- base
- alkaline
- acid

8. How do we call any fuel whose grade lies between HFO and MDO?

(1 Point)

- Intermediate Fuel Oil
- Marine Diesel Oil
- Distillate

9. ....is a kind of residue.

(2 Points)

- Froth
- Rust
- Wear
- Sediment

10. Corrosion .....prevent the corrosion of metal surfaces by forming a tenacious oil film on them.  
(2 Points)
- inhibitors
  - dispersants
  - antioxidants
  - improvers
11. The TBN value of the lube oil shows the ability of the lube oil to .....the acid influence.  
(2 Points)
- improve
  - neutralize
  - sustain
  - enhance
12. SAE 10 to SAE 20 oils are very .....and are suitable for low temperatures.  
(1 Point)
- thin
  - thick
13. High water content in the fuel does not affect combustion whatsoever.  
(1 Point)
- False
  - True

14. The quality of fuel is expressed by this word, which basically indicates how well a fuel will burn in the cylinders.

(2 Points)

- Flash point
- Grade
- Crude oil
- Viscosity

15. ....keep sludge, carbon and other deposits suspended in the oil.

(2 Points)

- Depressants
- Dispersants
- Wear preventers
- Detergents

16. The removal of water and foreign particles in the lube oil is done in a centrifugal

.....

(1 Point)

- separation
- separated
- separator

17. Heavy fuel oil is .....diesel oil.

(1 Point)

- more viscous than
- less viscous than
- as viscous as

18. The piston, piston rings and cylinder liner are lubricated with .....

(1 Point)

- turbine oil
- cylinder oil
- circulating lube oil

19. The heating value of a fuel is commonly expressed in .....

(1 Point)

- p.p.m.
- r.p.m.
- b.t.u.

20. Antioxidant additives in the lube oil prevent its .....

(2 Points)

- wear
- blocking
- friction
- oxidation

21. The element which causes oxidation to the engine is .....

(2 Points)

- ash
- sulphur
- vanadium
- silicon

22. The nozzle assembly has one or more .....through which the fuel is sprayed into the combustion chamber.

(2 Points)

- HFO pipes
- atomizers
- seats
- fuel inlet pipes

23. Oxidation leading to rust is .....

(2 Points)

- elimination
- emission
- corrosion
- filtration

24. Lubrication acts as a cooling means of the metal surfaces because it ..... a considerable amount of heat which is released from friction.

(2 Points)

- fortifies
- spreads
- absorbs
- settles

25. Heavy Fuel Oil needs heating to decrease viscosity and purifying to eliminate water and dirt .....

(2 Points)

- sludge
- distillates
- particles
- samples

26. Lube oils with a viscosity around SAE 15 are .....for diesel engines.

(1 Point)

- unsuitable
- suitable
- proper

27. It is a measure of the density or weight of the fuel. It also serves as a rough check on viscosity, carbon content and other qualities.

(2 Points)

- Specific gravity
- Heating value
- Viscosity
- Pour point



28. What does the booster pump do?  
(2 Points)

- It raises the pressure of the fuel.
- It discharges fuel.
- It adjusts the temperature of the fuel.
- It allows water and thick particles to sink down.

29. During bunkering, the .....taken are sealed for later verification of supplied product quality in case a dispute arises.  
(2 Points)

- samples
- sediments
- emissions
- residues

30. Through what process are marine fuels obtained?  
(2 Points)

- Through fractional distillation.
- Through the use of homogenizers.
- Through purifying.
- Through use of lubricants.

31. To .....is to increase, push up, enhance.

(2 Points)

- boost
- regulate
- insulate
- settle down

32. In order to have free flow of the lubricating oil at low temperatures we add .....

(2 Points)

- pour point depressants
- flash point depressants
- pour point dispersants

33. The oil is drawn from the sump tank by pressure pumps.

(1 Point)

- True
- False

34. To .....is to control or adjust.

(2 Points)

- purchase
- enhance
- regulate
- draw

35. The .....tank is a mixing tank.

(2 Points)

- settling
- sludge
- fuel oil
- buffer

36. The .....pump increases the pressure of the fuel just before it is delivered to the engine.

(1 Point)

- booster
- drain
- fuel oil

37. Thick particles sink down in the .....tanks.

(2 Points)

- settling
- buffer
- service
- fuel oil drain

38. Around the pour point the fuel can hardly be pumped and needs heating.

(1 Point)

- False
- True

39. The measure of resistance of the fuel to movement.

(2 Points)

- Cetane number
- Flash point
- Viscosity
- Heating value

40. The cylinder lube oil has .....the circulating lube oil.

(1 Point)

- higher viscosity than
- the same viscosity as
- lower viscosity than

41. The lowest part of the fuel injection valve is the .....

(2 Points)

- seat
- needle
- injector holder
- nozzle assembly

42. ....keep the engine parts clean of deposits, especially carbon deposits.

(2 Points)

- Dispersants
- Detergents
- Antioxidants
- Corrosion inhibitors

43. To .....is to control, to adjust.

(2 Points)

- insulate
- regulate
- boost
- purify

44. Discharge of gases is .....

(2 Points)

- wear
- emission
- corrosion
- scoring

45. Correct lubrication of the engine is of great importance because .....  
lubrication would lead to seizing of bearings and sticking of the engine.

(2 Points)

- fortified
- recommended
- inadequate
- enhanced

46. Lubrication keeps the metal surfaces clean due to the .....property of lubricating oil.

(2 Points)

- fortified
- corrosive
- antifouling
- anticorrosive

47. The properties of lubricating oils are .....those of fuel oils.

(1 Point)

- similar to
- different from

48. An adequate number of Yokohama .....are placed on the supply tanker depending on weather conditions to prevent damages of the vessels.

(2 Points)

- hoses
- fenders
- manifolds
- pumps

49. In the settling tanks, the fuel is constantly heated to .....the viscosity-grade and thus quicken the separation of fuel from water and impurities.

(1 Point)

- maintain
- lower
- increase

50. The last stage of the fuel oil system is the injection of the fuel in the combustion chamber.

(1 Point)

False

True

51. ....limit the wear due to friction.

(2 Points)

Wear preventers

Antioxidants

Anti-foamants

Dispersants

52. In most fuel systems the settling tanks and daily service tanks are also called ..... tanks.

(2 Points)

gravity

double-bottom

fuel oil drain

sludge

53. HFO produces cleaner exhaust gas than MDO.

(1 Point)

False

True

54. The acronym CCAI stands for .....  
(1 Point)

- calculated carbon aromaticity index
- calculated calcium aroma indication
- cracked carbon atom index

55. The correct choice of lubricating oil is essential and we should always .....the engine constructor's manual as to the recommended type of oil for the particular engine.  
(2 Points)

- enhance
- disperse
- consult
- inhibit

56. MDO is used in manoeuvring.  
(1 Point)

- False
- True

57. What does the viscosity regulator do?  
(2 Points)

- It allows the used oil from the engine to be mixed.
- It allows the water and thick particles to sink down.
- It adjusts the flow of the water.
- It adjusts the temperature of fuel.



58. The cylinder oil service tank is .....the cylinder oil storage tank.

(1 Point)

- bigger than
- the same as
- smaller than

59. From the service tank the oil is supplied to lubricators by gravity and is led through drillings onto the liner surface where grooves .....it circumferentially.

(1 Point)

- distribute
- separate
- attribute

60. The main task of lubrication is to reduce .....between the moving parts of an engine.

(2 Points)

- seizing
- friction
- stalling
- lubrication

61. Mineral oils are fortified with chemicals which .....their functional properties that the engine requires.

(2 Points)

- prevent
- neutralize
- disperse
- enhance

