

ITI Mechanic Diesel 1st Year Module 10 Marine and Stationery engine emission control

(1). Which device used to increase the torque?

- (A) Clutch
- (B) Engine
- (C) Flywheel
- (D) Gear reduction drive

Correct Answer : D

(2). Which automotive engine is cranked through hydraulic system?

- (A) Trains
- (B) Trucks
- (C) Marines
- (D) Air crafts

Correct Answer : C

(3). What is the purpose of crank case ventilation?

- (A) To prevent pressure build up
- (B) To prevent temperature build up
- (C) To increase the blow by gas
- (D) To reduce the combustion leak

Correct Answer : A

(4). Which is the hydro carbon emission released directly from engine to the atmosphere?

- (A) Crank case and exhaust system
- (B) Fuel tank and carburettor
- (C) Fuel tank and crank case
- (D) Fuel tank and exhaust

Correct Answer : A

(5). Where the positive crank case ventilation fitted?

- (A) Muffler and air cleaner
- (B) Controller and air cleaner
- (C) Feed pump and air cleaner
- (D) Engine breather and air cleaner

Correct Answer : D

(6). What is the use of catalytic converters?

- (A) Control the noise
- (B) Control the emission
- (C) Control the temperature
- (D) Control the fuel consumption

Correct Answer : B

(7). Which engine is used sea water cooling?

- (A) Aircraft engine
- (B) Marine engine

- (C) Heavy vehicle engine
- (D) Light motor vehicle engine

Correct Answer : B

(8). Which is used to absorb fuel vapour in the EVAP canister?

- (A) Banian cloth
- (B) Cotton roll
- (C) Paper filter
- (D) Activated charcoal

Correct Answer : D

(9). Which system an accumulator is used?

- (A) Cooling system
- (B) Starting system
- (C) Electrical system
- (D) Hydraulic system

Correct Answer : D

(10). Which one is a non pollution gas?

- (A) CO
- (B) NO
- (C) HC
- (D) O₂

Correct Answer : D

(11). How the fluid coupling is termed?

- (A) Static device
- (B) Aero dynamic device
- (C) Hydro dynamic device
- (D) Electro dynamic device

Correct Answer : C

(12). Where EGR valve connected?

- (A) Exhaust system and intake system
- (B) Crank case and intake system
- (C) Crank case and exhaust system
- (D) Exhaust system and catalytic converter

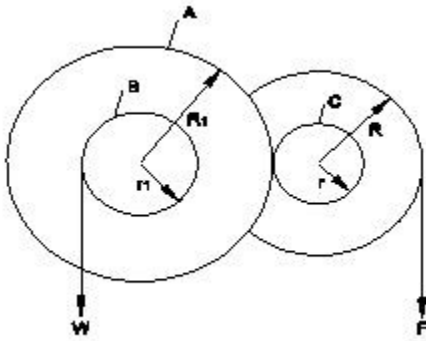
Correct Answer : A

(13). What is the purpose of EGR (Exhaust gas recirculation) valve?

- (A) Reduce NO_x
- (B) Reduce CO
- (C) Reduce CO_x
- (D) Reduce SO_2

Correct Answer : A

(14). What is the type of drive?



- (A) Electromagnetic
- (B) Single reduction
- (C) Double reduction
- (D) Hydraulic fluid coupling

Correct Answer : C

(15). What is the purpose of selective catalytic reduction (SCR)?

- (A) Reduce CO_2
- (B) Reduce PM
- (C) Reduce NO_x
- (D) Reduce HC

Correct Answer : C

(16). What is the acronym for DPF in exhaust emission system?

- (A) Diesel Pressure Filter
- (B) Diesel Primary Filter
- (C) Diesel Particulate Filter

(D) Direct Particulate Filter

Correct Answer : C

(17). Which reduces toxic gases and pollutant in an internal engine exhaust gas?

(A) EVAP

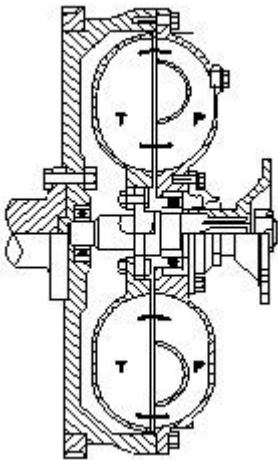
(B) Catalytic convertor

(C) Carburettor

(D) Air cleaner

Correct Answer : B

(18). Name the type of transmission device.



(A) Fluid coupling

(B) Electro magnetic coupling

(C) Universal coupling

(D) Flange coupling

Correct Answer : A

(19). Which engine uses EVAP canister?

- (A) Diesel engine
- (B) Petrol engine
- (C) LPG engine
- (D) CNG engine

Correct Answer : B

(20). Which engine emits more amount of nitrogen oxides (NO_x)?

- (A) Spark ignition engine
- (B) Compressed ignition engine
- (C) Two stroke engine
- (D) LPG engine

Correct Answer : B

(21). Which of the hydro carbon emission released after the combustion of the engine?

- (A) From fuel tank
- (B) From carburettor
- (C) From crank case blow by
- (D) From exhaust system

Correct Answer : D

(22). What is the purpose of EVAP canister?

- (A) To trap the exhaust gas
- (B) To trap fresh air

- (C) To trap the leak off
- (D) To trap the fuel vapour

Correct Answer : D

(23). Which pollutant is released more from diesel engine during weak compression?

- (A) CO
- (B) Particulate matter
- (C) HC
- (D) No_x

Correct Answer : B

(24). Which is the device used to transmit the rotary motion in marine engine?

- (A) Hydraulic jack
- (B) Hydraulic brake
- (C) Hydraulic actuator
- (D) Hydraulic coupling

Correct Answer : D

(25). Which is a green house effect gas?

- (A) O_2
- (B) CO
- (C) CO_2
- (D) N_2

Correct Answer : C

