

Diesel Locomotives - Multiple Choice Questions

- 1 What is the minimum Head light Focusing distance required in the locomotives provided with electrical head light? d
a) 100 meters b) 1000 meters
c) 2000 meters d) 250 meters and above
- 2 What is the Fuel oil tank capacity in WDP1 locomotive in litres? c
a) 4000 b) 5000
c) 3000 c) 2000
- 3 When OPS drops or LLOB trips, the engine will_____. b
a) Raise b) Shutdown
c) Comes to Idle d) Hunting
- 4 Expressor lube oil pump is driven by_____. b
a) Gear b) Chain
c) Motor d) Belt
- 5 The exhaust manifold is connected to _____part of the TSC. a
a) Gas Inlet Casing b) Intermediate Casing
c) Turbine Casing d) Blower Casing
- 6 One of the following is the equipment in Nose compartment c
a) MR1 b) MR2
c) Control air pressure reservoir d) All the above
- 7 How many Power Contactors are available in WDG4 Locomotive? d
a) 7 b) 9
c) 8 d) 0
- 8 What is the Lube oil capacity (in litres) in WDP1 locomotives? a
a) 760 b) 910
c) 1100 d) 1457
- 9 If white smoke is emitting from exhaust chimney, what could be the reason? a
A) Water mixed with fuel oil b) Governor oil mixed with fuel oil
c) Lube oil mixed with fuel oil d) None of these
- 10 What is the effective Rundown test timing (in seconds) of NAPIER Turbo? In seconds c
a) 120 to 200 b) 90 to 180
c) 25 to 65 d) 200 to 280

- 11 Water leaking continuously from water telltale pipe b
a) Dummy it and work further b) Fail the loco
c) Do fast pumping d) Work on lower notches
- 12 Cooling Water capacity in WDM2 locomotive is _____ liters. d
a) 900 b) 910
c) 1300 d) 1210
- 13 The rundown test of NAPIER Turbo is to be conducted on _____ notch. a
a) Idle b) 4
c) 6 d) 2
- 14 During one of the following occasions Hot engine alarm indication will get c
a) Continuous 8th notch working b) Excess load
c) Water pump not working d) Full water in expansion tank
- 15 The lube oil consumption for every 100 liters consumption of fuel on WDM2/WDG4 is b
a) 1.7/1.0 ltrs b) 1.5/0.5 ltrs
b) 1.6/0.7 ltrs c) 1.0/0.3 ltrs
- 16type of speedometer is available on WDG4. b
a) Mechanical b) Radar Sensor
c) Electrical d) Electronic
- 17 The more Oxygenated Air is required for better _____. b
a) Control air pressure b) Combustion of fuel
c) Braking d) Cooling
- 18 Hot engine alarm (HEA) will come at _____ degrees centigrade in WDG3A locos. c
a) 60 b) 70
c) 90 d) 80
- 19 Electro Pneumatic Governor is located in c
a) Expressor room b) Radiator room
c) Nose compartment d) Rear compartment
- 20 During the MR air pressure efficiency test ____ kg /cm² pressure should be created within _____ minutes. d
a) 1.0 , 7 b) 1.5 , 6
c) 0.9 , 8 d) 0.7 , 5
- 21 The number of Brake cylinders provided on WDM2 locomotive b
a) 6 b) 8
c) 10 d) 12

- 22 When there is current difference ofAmps between two traction motors in a group of Traction motors WSR will pick up. b
a) 200 b) 125
c) 100 d) 150
- 23 Fuel oil pressure is not building up though the FPM is working & sufficient fuel oil is available in tank. c
a) CK1 and CK2 not picked up b) GF contactor is not picked up
c) Fuel booster pump not working d) Fuel pump contactor not picked up
- 24 Lube oil Filter drum is located in_____. d
a) Nose compartment b) Generator room
c) Engine block d) Radiator room
- 25 How many kinds of Brakes are provided on Diesel locomotive WDM2? a
a) 5 b) 10
c) 11 d) 9
- 26 GFC not picking up in motoring due to a
a) CK1 welded b) ECS run
c) Rev. at motoring d) Throttle notch 1
- 27 LWS is connected to b
a) Water left side return header b) Water expansion tank
c) Water right side return header d) All the above
- 28 Main Reservoir (compressed air pressure) Unloading will take place at_____kg /cm². c
a) 8 b) 9
c) 10 d) 11
- 29 N 1 Reducing valve is located in c
a) Radiator room b) Expressor room
c) Nose compartment d) Rear compartment
- 30 If the VRR fuse is fused, the_____ indication will come. d
a) CK1 and CK2 contactor tips welded b) Battery over charging
c) Green lamp and engine idle d) Battery discharge
- 31 From where the control air pressure will get air pressure_____. b
a) MR2 b) MR1
c) BKTs d) J filter

- 32 Lube oil dipstick gauge of WDG3A is having _____ liters capacity. c
a) 400 b) 380
c) 600 d) 500
- 33 Fuel pump motor is not working though the all circuit breakers are switched ON, the immediate reason could be _____. d
a) ERF not closed b) R1 and R2 not picked up
c) GFC not picked up d) FPC not picked up
- 34 On what notch the rundown test of ABB Turbo is to be conducted? d
a) Idle b) 2
c) 3 d) 4
- 35 Reduction in BP pressure causes _____. c
a) Brakes release b) Brakes slow release
c) Brakes application d) MR pressure increasing
- 36 Railway Board has made re - nomenclature of the Diesel locomotives in which the last two digits denotes c
a) Lube oil capacity b) Fuel oil capacity
c) Horse Power d) Weight of the loco
- 37 _____ Number of brake blocks are provided on WDM2. b
a) 16 b) 24
c) 32 d) 22
- 38 WDG4 Engine idle RPM c
a) 469 b) 369
c) 269 d) 360
- 39 The Fuel oil crossover flexible pipe is located in c
a) Radiator room b) Nose compartment
c) Power takeoff end d) Free end
- 40 In WDM2, having IRAB brake system the VA1B valve is located in/at d
a) Nose compartment b) LPs cab
c) Long hood control stand d) None of the above
- 41 After cooler cooled air in air inlet casing is also called as _____. d
a) Control air pressure b) Vacuum control air pressure
c) HS4 pressure d) Booster air pressure

- 42 In WDG4 locos Lube oil Cooler is located in_____. b
a) Radiator room b) Expressor room
c) Generator room d) Under truck
- 43 Lube oil Bypass valve in WDM2 locos is set at _____ d
psi.
a) 50 b) 40
c) 30 d) 20
- 44 The compressed air enters to MR1 tank through d
a) MR Safety valve b) MR2
c) Cooling Coil d) 3 / 4" cut out
cock
- 45 Inter cooler safety valve is set at _____ psi., pressure. c
a) 100 b) 80
c) 60 d) 40
- 46 In WDG3A locomotives 3/4" COC(BP COC) is located a
in/at
a) Nose compartment b) LP cab
c) Short hood control stand d) None of the
above
- 47 Air pressure Cooling coils in WDG4 is located at c
a) Under truck b) Engine block
c) Radiator room d) Expressor room
- 48 Lube oil dip stick gauge capacity in WDG4 locos is c
_____ liters.
a) 400 b) 550
c) 625 d) 700
- 49 The combined unit of Exhauster and Compressor is called b
a) Impellor b) Expressor
c) Super charger d) Processor
- 50 ABB turbo super charger effective Rundown b
time_____in seconds.
a) 200 to 280 b) 120 to 200
c) 25 to 65 d) 90 to 180
- 51 Where 28VB control valve is is located? c
a) Engine block b) Back panel
c) Short hood control stand d) Long hood
control stand
- 52 In WDM2 locomotives, during cranking, if Normally c
Closed Interlock of SAR is not getting closed , the result
will be _____
a) Throttle will not respond b) Load meter will
not respond
c) Engine will crank and d) Engine will not
fire but not hold fire

- 53 In WDM2 engine, the Water pump is driven by c
 a) Motor b) Pulley
 c) Gear d) Belts
- 54 On WDG3A high adhesion bogie the loco body weight is a
 supported on bogie frame through
 a) 4 side bearers / load pads b) centre pivot
 C centre pivot and side d) side group
 bearers springs
- 55 For WDG3A on each truckno of horizontal b
 hydraulic dampers are provided.
 a) 5 b) 2
 c) 8 d) 16
- 56is provided on WDG3A bogie to avoid run c
 out of bogie from chassis.
 a) center pivot b) side bearers
 c) Shackles d) side stoppers
- 57 On WDG3A each truck is fitted with d
 arrangement of traction motors.
 a) LLR b) LRR
 c) LRL d) uni directional i.e LLL&RRR
- 58 Now a days the wick pad type suspension bearing is a
 replaced within new loco's.
 a) Roller bearing b) Hanging type
 c) lubrication with soft d) Higher quality
 grease lube oil
- 59no traction motor will be defective in case c
 continuous wheel slip with WSR1 in Series parallel and
 WSR3 in Parallel operating.
 a) 1 b) 3
 c) 4 d) 5
- 60 To reset auto flasheris to be used. c
 a) SP1 b) SP2
 c) SW1/SW2 d) GFOLR reset
 button
- 61 Whenever A9 is brought to emergency position action a
 taken place in auto flasher system is
 a) DMR de-energise b) BKT will come
 to bkaking
 c) GFOLR will trip d) Flasher light
 will glow
- 62 Power contactors flutters due to c
 a) less magnetism b) Load meter defective
 c) less control air pressure d) week batteries

- 63 The following may be used for fast charging of BP on WDG3A. c
 a) Release position of A9 b) foot pedal
 c) SP1 d) SW1
- 64 Whenever BP pressure drops belowkg/cm² other than A9 operation auto flasher will come in to action. b
 a) 4.1 b) 4.4
 c) 4.3 d) 4.5
- 65 In twin beam head lightsvolts halogen lamps are used. c
 a) 72 b) 32
 c) 24 d) 20
- 66 In twin beam head light system in DC-DC convertor if one unit is defective the stand by unit can be brought into function by a
 a) operating change over switch on DC-DC converter b) By changing to other control stand
 c) by replacing bulb d) none
- 67 If DMR not picking up in idle but on opening throttle to 2nd notch by pressing DMR if it is picking means b
 a) Weak DMR b) TH & selector interlocks defective
 c) Self interlocks defective d) PCS knocked out
- 68 In MCBG loco actuator /sensor unit is located at d
 a) inside engine block b) excitation panel
 c) LP cab d) existing location of governor
- 69 In MCBG loco when shut down occurs due to over speed initiated by MCBG , it should be acknowledged by a
 a) Resetting push button b) OST test key switch
 c) Power switch d) GFOLR reset button
- 70 In MCBG loco if sensor signals not coming or wire opens what will happen? a
 a) engine will shut down b) Engine will not fire
 c) engine will not respond d) Load meter will not respond
- 71 The conventional electronic type excitation system is replaced within new loco's a
 a) Microprocessor controlled b) static type
 c) shunt type d) self excitation
- 72 In WDG4 loco HP input to Traction motors is b
 a) 4000 b) 3726
 c) 3100 d) 3900

- 73 In WDG4 loco compressor is cooled by d
a) Nature b) Air
c) Oil d) Water
- 74 In WDG4 turbo is cooled by c
a) Nature b) Air
c) Oil d) Water
- 75 In WDG4 power contactors are replaced with d
a) FS contactors b) only relays
c) BKT/REV d) DC Link
- 76 In WDG4 traction motors are b
a) DC b) AC
c) 50%AC and 50% DC d) Low voltage
- 77 In WDG4 (ECS) isolation switch is havingno of b
positions.
a) 1 b) 2
c) 3 d) 4
- 78 While on run if airflow meter shoots up with jerk means b
a) defect b) parting taken place
c) spring broken d) moisture in air
- 79 For quick charging of BP in WDG4is used. d
a) SP1/SP2 b) SW1/SW2
c) Foot pedal d) A9 (auto brake)
release
- 80 In WDG4 hot oil detector is set at....degrees centigrade. b
a) 100 b) 126
c) 200 d) 124
- 81 If GF contactor is fluttering after taking II transition d
check
a) GF relay b) P2
c) S1 d) P32
- 82 GR protects from b
a) Nothing b) earth fault
c) hot engine d) melting of grids
- 83 OPS2 function is d
a) to when OPS1 is b) To watch OPS1
defective
c) To watch fuel oil d) to safe guard
pressure engine from low
lube oil
pressure on
higher notches

- 84 When GFOLR resetting button is defectiveto be done. d
 a) inform shed b) ask for R.E.
 c) Use L rod d) reset manually
- 85brake is available only in WDP4. c
 a) Computer brake b) vigilance brake
 c) blended brake d) tread brake
- 86 Blended brake is mixture of b
 a) Vacuum +Air b) Formation +Dynamic+ loco
 c) Formation +Loco d) Dynamic +Loco
- 87 In WDP4 when the loco is moving in opposite direction to the reverser position.....will happen soon the speed increases to 5 kmph. a
 a) Dynamic brake come into action b) alerter will come into function
 c) power ground will take place d) loco will shutdown
- 88 Now a days the following item is removed on WDM2 loco's b
 a) Transition switch b) Lube oil by pass valve
 c) VCD system d) vacuum brake
- 89 While on run if SPM drops to zero and transition also drops it may be due to d
 a) emergency brake b) ACP
 c) Defect in mother card d) ADA dropped/ defective
- 90 When wheel is floated speed is restrictedkmph. b
 a) 25 b) 30
 c) 35 d) 40
- 91 WDM2 expressor is havingcouplings. a
 a) Fast and flexible b) CBC and Baby
 c) ABC and fast d) Universal and flexible
- 92 Excess Brake cylinder pressure can cause c
 a) quick speed dropping b) train brakes not required
 c) wheel skidding d) Dynamic brake not necessary

- 93 If SAR coil is open circuited during cranking c
a) GR trips b) nothing will happen
c) OSTA trips d) Throttle will not respond
- 94 If CK1 bridge interlock defecttrouble. a
a) not cranking b) not holding
c) ck1/ck2 fluttering d) not firing
- 95 If batteries are weak during cranking can be identified by b
a) battery ammeter b) fluttering of CK1,CK2
c) starting lamp d) smoke from bat-teries
- 96 While working on higher notches with full load if B.A.P. is repeatedly dropping and raising is called c
a) Sneeging b) Hunting
c) Surging d) None
- 97 In WDM2 GE governor loco, when stop switch is pressedwill be energised. c
a) ESR4 b) Clutch coil
c) stabilising coil d) SAR coil
- 98 On WDM2 if engine not crankingpower contactor NCI to be checked. a
a) P22/S1 b) P21/S1
c) P22/S21 d) P22/S31
- 99 TDR in WDM3a (cranking circuit) is set at b
a) 1.5 minutes b) 1.5seconds
c) 2seconds d) 1second
- 100 During cranking if engine not holding may be due to d
a) CK1 bridge interlock b) MUSD
c) FPB d) OPS
- 101 FS21 and FS22 coils get supply through these breaker b
a) FPB b) MFPB
c) CCEB d) MCB
- 102 Stabilising and clutch coil get supply through these breakers. d
a) FPB b) CCEB
c) MCB d) MFPB

- 103 ECC coil get supply through breaker. a
- a) FPB b) CCEB
c) MCB d) MFPB
- 104 For 10 minutes time gained by locoltrs. of fuel is allowed. c
- a) 25 b) 35
c) 50 d) 60
- 105 In fuel oil systemtype of filters are used. d
- a) socks type b) foam type
c) mesh type d) paper type
- 106 On WDM2 while working with full load on raising gradientliters of fuel will be consumed for an hour. d
- a) 1000 b) 400
c) 380 d) 480
- 107 DMR picking up in idle but dropping on opening throttle means c
- a) Week DMR b) DMR all interlocks defective
c) Self interlocks defective d) PCS knocked out
- 108 CTR no is d
- a) T500 b) T600
c) T700 d) T720
- 109 WDM2 Fuel glow rod gauge scale mesure in ltrs is b
- a) 600 to 5000 b) 540 to 5000
c) 800 to 5000 d) 1000 to 5000
- 110 The only loco provided with two dipstick gauges on either side of the engine block to measure lube oil is c
- a) WDM2A b) WDG3A
c) WDP4 d) WDG4
- 111 The oil pressure switch in wood ward governor loco is in c
- a) engine block b) inside crank case
c) in built governor d) inside nose compartment
- 112 In WDG4 engine cylinders are cooled by c
- a) Water b) oil and water
c) super charged air and water d) air conditioning

- 113 Conventional air maize oil bath filters are replaced with a
 a) baggie type b) paper filter type
 c) cyclonic type d) mesh type filters
- 114 While working air brake passenger train if air leaking a
 badly from FP angle cock do
 a) close 1" C,O,C, b) Close leading
 FP angle cock
 c) Close 3/4" C.O.C. d) Close 28VB
 C.O.C.
- 115 EMU and DHMU are provided with c
couplings
 a) CBC b) Automatic
 c) Shacoo d) ABC
- 116 If sufficient vacuum is not available in expressor d
will take place.
 a) train brakes will apply b) only loco brakes
 will apply
 c) expressor will burn d) oil throw takes
 place
- 117 Breather valve provided on c
 a) Governor b) LP cab
 c) expressor d) main generator
- 118 On modified (Rack)28LAV1 brake system conjunctional b
 brakes takes place through
 a) 28VB control valve b) C3W valve
 c) VA1B valve d) none of these
- 119 In MU trailing loco during parting, trial position changes d
 lead position in brake system through
 a) A1 Differential pilot valve b) MU2B
 c) VA1 release valve d) F1selector valve
- 120 Weak batteries causes a
 a) over charging b) Discharge
 c) None d) Load meter will
 not respond