MMV

Q. ID: ITISKILL91549N

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Duration: 30 Mins | **Total Marks: 50** | **ID: ITISKILL91549N**

Student Name: _____ Roll No: _____

1. What is the gas filled in the sealed beam head lights?

A) Oxygen gas
B) Nitrogen gas
C) Hydrogen gas
D) Argon gas

2. What is the purpose of slot provided in the laminated cylindrical iron core of stator assembly?

A) For fitting insulated windings
B) For easy fitting
C) Provide space for cooling
D) For lubricantion

3. Which one is the ratio of stress?

A) Load and direction
B) Load and diameter
C) Load and time
D) Load and area

4. What is the material used to make diodes?

A) Graphite
B) Silicon
C) Alumina foil
D) Mica

5. Which type of DC starter motor generally used in automoniles?

A) Compound type
B) Series type
C) Parallel type
D) Shunt type

6. Which type of winding is connected to the starter switch in the solenoid switch?

A) Primary winding
B) Hold in winding
C) Pull in winding
D) Compound winding

7. What is the expansion of LED?

A) Light electronic diodes
B) Limited electrical data
C) Light emitting diodes
D) Long electrical diodes

8. What is the use of tail light?

A) Indication to slowing down
B) Provide interior illumination
C) Indication to vehicle behind
D) Provide enough visibility

9. What is the function of rotor assembly?

A) Carriers driving pulley and cooling fan
B) Supports rectifier mounting plates
C) Supports pre lubricated scaled bearing
D) Allow the current flow in one direction

10. What is the advantage of using side indicator in a vehicle?

A) Provide effective illumination
B) Indicate the vehicle behind
C) Prevent accident while turning left and right
D) Provide enough visibility

11. What is the ratio between ultimate stress to working stress?

A) Young's modulus
B) Bulk modulus
C) Modulus of rigidity
D) Factor of safety

12. Which device is used to start and stop a motor? | ಮೋಟಾರ್ ಅನ್ನು ಪ್ರಾರಂಭಿಸಲು ಮತ್ತು ನಿಲ್ಲಿಸಲು ಯಾವ ಸಾಧನವನ್ನು ಬಳಸಲಾಗುತ್ತದೆ?

A) Stator | ಸ್ಟೇಟರ್
B) Slip ring | ಸ್ಲಿಪ್ ರಿಂಗ್
C) Starter | ಸ್ಟಾರ್ಟರ್
D) Rotor | ರೋಟರ್

13. Identify the given symbol | ನೀಡಿರುವ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ

A) AC
B) DC
C) Ohms | ಓಮ್ಸ್
D) Inductance | ಇಂಡಕ್ಟನ್ಸ್

14. Why it is necessary to disengage the starter pinion from fly wheel ring gear once the engine has started?

A) Increase the fuel efficiency
B) Prevent wastage of current
C) Reduce the wear on commutator
D) Prevent damage to starter motor

15. What is the working principle of alternator?

A) Law of resistance
B) Ohms law
C) Lenz's law
D) Electromagnetic induction

16. What is the function of over running clutch in the starting system?

A) Operate the solenoid
B) Prevent sliding movement of pinion
C) Protect armature from damge
D) Drive the armature shaft

17. Which type of head light provide 25% more light than sealed beam head lights?

A) Halogon head light
B) LCD type head light
C) Neon type head light
D) LED type head light

18. What is the function of diodes?

A) Step down voltage
B) Step up voltage
C) Convert DC to AC
D) Convert AC to DC

19. How the armature winding ends are connected with commutator?

A) By welding
B) By soldering
C) By brazing
D) By riveting

20. What will be the result of loose drive pulley in the alternator?

A) Low voltage output from alternator
B) Alternator noisy
C) No change when engine running
D) Charges at high rate

21. Nut and bolts are_____ | ನಟ್ ಮತ್ತು ಬೋಲ್ಟಳು_ _ _ _ _ _ _

A) semi temporary | ಅರ್ಧ ತಾತ್ಕಾಲಿಕ
B) temporary fastening | ತಾತ್ಕಾಲಿಕ ಜೋಡಣೆ
C) permanent fastening | ಶಾಶ್ವತ ಜೋಡಣೆ
D) semi permanent | ಅರ್ಧ ಶಾಶ್ವತ

22. What is the unit of strain?

A) Metre
B) No unit
C) Kg/cm²
D) Newton/metre²

23. What is the colour of front indicator lamps?

A) Green
B) White
C) Red
D) Orange

24. Which is nose pliers? | ನೋಸ್ ಪ್ಲೆಯರ್ ಯಾವುದು?

(A) 
(C) 
(B) 
(D) 

A) B
B) D
C) A
D) C

25. What is the function of drive end frame in the alternator?

A) Support the pre lubricated sealed bearing
B) Allow current flow in one direction
C) Connecting to spring loaded brush
D) Carriers driving pulley

26. How the alternator field terminal is connected to the battery?

A) By ignition switch
B) By charge indicator
C) By indicator lamp
D) By voltage regulator

27. Which type of lights provide maximum brightness in a shorter time?

A) LCD light
B) Halogan light
C) Neon light
D) LED light

28. What is the function of solenoid switch?

A) Close the contact between battery and starting motor
B) Stepdown voltage from primary to secondary winding
C) Shift the lever to engage the plunger
D) Open and close the circuit between primary and secondary

29. What is the purpose of alternator?

A) Produce variable electric supply at high RPM
B) Produce constant electric supply at high RPM
C) Produce more electricity at low RPM
D) Produce more electricity at high RPM

30. Which is ball peen hammer? | ಬಾಲ್ ಪೀನ್ ಸುತ್ತಿಗೆ ಯಾವುದು?

(A) 

(C) 

(B) 

(D) 

A) A
B) D
C) B
D) C

31. Where the red colour indicator lamps are provided in the vehicle?

A) Front side
B) Rear side
C) Pilot lamp
D) Side of vehicle

32. Where the starter motor located?

A) Top side of engine
B) Bottom of engine
C) Front side of engine
D) Rear side of engine

33. What is the advantage of series winding type starter motor?

A) Increase the life of armature
B) Less cost of maintance
C) Produce high starting torque
D) Produce constant starting torue

34. Which force acts on rivets?

A) Compressive force
B) Shear force
C) Bending force
D) Tensile force

35. What is the adverse effect of fly wheel ring to starter pinion ratio is very high?

A) Increase the starting torque
B) Damage to starter motor
C) Reduce the starting torque
D) Starter motor fails to start

36. What is the possible cause of motor not running and no operating sound of magnetic switch?

A) Burnt commutator
B) Battery discharged
C) Worn pinion tip
D) Worn brushes

37. What is the ratio between stress and strain?

A) Poisson's ratio
B) Factor of safety
C) Youngs Modulus
D) Yield point

38. What is the colour of pilot lamp provided in the vehicle?

A) White
B) Red
C) Orange
D) Green

39. What is the contributory cause of starter motor running but not cranking?

A) Over running clutch slipping
B) Abnormally woem brush
C) Poor contacting action of ignition
D) Faullty ECM circuit

40. Which device used to prevent damage to the battery and other electrical accessories?

A) Voltage regulator
B) Alternator
C) Current regulator
D) Distributor assembly

41. What is the cause of low voltage output from alternator?

A) Wornout bearing
B) Loose mountings
C) Loose drive pully
D) Faulty regulator

42. What will be the result of worn teeth of ring gear in the starting system?

A) Motor not running no operating sound of magentic switch
B) Motor running but too fast
C) Starter motor running too slow
D) Starter motor running but not cranking

43. Which part of bendix drive starting system limit the turning of the sleeve on the armature shaft?

A) Fly wheel
B) Bendix drive spring
C) Pinion
D) Anti drift spring

44. Which is elastic material?

A) Nylon
B) Polystyrenes
C) Celluloid
D) Polycarbonates

45. What causes no charge when engine is running?

A) Sticky regulator
B) Brushes not seating properly
C) Drive belt loose
D) Shorted rectifier

46. What is the use of cornering light in a vehicle?

A) Indicate traffic behind vehicle
B) Provide enough visibility to driver
C) Highlight the blind spot during bend
D) Provide interior illumination

47. What is the minimum RPM of crank shaft required to start the engine?

A) 200 RPM
B) 100 RPM
C) 150 RPM
D) 180 RPM

48. Why the brushes are provided with a curvature at the bottom in the starting system?

A) Provide more contact with commutator
B) Prevent wear on commutator
C) Provide ventilation to commutator
D) Ensure proper heat dessipation

49. What is the purpose of ?V? pulley in the charging system?

A) Support rectifiter mounting plates
B) Rotate the alternator rotor
C) Drive the crank shaft
D) Drive the cam shaft

50. Which is protective device? | ರಕ್ಷಣಾತ್ಮಕ ಸಾಧನ ಯಾವುದು?

A) Magnet | ಮ್ಯಾಗ್ನೆಟ್
B) Fuse | ಫ್ಯೂಸ್
C) Capacitor | ಕೆಪಾಸಿಟರ್
D) Resistor | ರೆಸಿಸ್ಟರ್