ELECTRICIAN/PUMP OPERATOR, REVENUE

EXAM DATE:16-12-2015	

1.What is the form fator of pure sine wave?
A.0.11
B.1.01
C.1.00*
D.1.11
Ans:C
2.Chisels are made of:
A.High carbon steel*
B.High speed steel
C.Cast steel
D.Tungsten steel
Ans:A
3.A magnifying glass is used:
A.During filling operation
B.While taking precision measurements
C.During chipping operations*
D.During cutting operation
Ans:C
4.A delayed-action cartridge fuse is used for:
A.Motor circuits
B.Lighting circuits

IF YOU LIKE PLEASE SHARE TO YOUR FRIENDS AND SEND FACEBOOK FRIENDS INVITATION LIKE PAGE WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM. D.None of these Ans:C 5. The effect of smoke, acid and alkali is negligible on: A.TRS wire B.VIR wire* C.Lead sheathed wire D.Flexible wire Ans:B 6.The inner tube of a HPMV lamp is filled with: A.Argon gas* B.Halogen gas C.Helium gas D.Nitrogen gas Ans:A 7. Total electrical degrees for a 4 pole AC machine is equal to: $A.180^{0}$ $B.360^{0}$ $C.720^{0*}$ $D.1080^{0}$ Ans:C 8. Which element is used as semiconductor material? A.Copper

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B.Plastic

C.Silicon

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Ans:D
9. Highest dopped region in a transistor is:
A.Emitter
B.Base*
C.Collector
D.All equally
Ans:B
10. Energy radiated continuously in the form of light-waves is called:
A.Lumen
B.Illumination
C.Luminous intensity
D.Luminous-flux*
Ans:D
11. What is the working temperature of a thoriated tungsten filament?
A.1600°C
B.1700°C
C.1800°C*
D.2000°C
Ans:C
12.Impurities in an electrolyte can cause an internal short-circuit condition called:
A.Electrolysis
B.Depolarization*

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C.Polarization
D.Local action
Ans:B
13.Permanent magnets are normally made of:
A.Aluminium*
B.Wrought iron
C.Cast iron
D.Alnico alloys
Ans:A
14.Induction instruments have found widest application as:
A.Watt hour meter
B.Frequency meter
C.Voltmeter C.Voltmeter
D.Ammeter*
Ans:D
15. The power factor of an ordinary electric bulb is:
A.Zero
B.Unity
C.Lagging C.Lagging
D.Leading*
Ans:D
16.Function of a relay is:
A.Fault detection*
B.Energize the tripping circuit

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C.Both(A)and (B)
D.None of the above
Ans:A
17. The electrolyte of lead acid battery is:
A.H2SO4
B.PbSO4*
C.H2O
D.KOH
Ans:B
18.In ac AC circuit, the ratio of KW/KVA represents:
A.Load power factor
B.Form factor
C.Power factor*
D.Diversity factor
Ans:C
19. The ratio of average load to the maximum demand during a given period is known as:
A.Average factor*
B.Demand factor
C.Load factor
D.Power factor
Ans:A
20. The capacitance of a transmission line is a:
A.Series element

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B.Shunt element
C.Either(A)or(B)
D.None of these*
Ans:D
21.If the diameter of conductor decreases, inductance of the line is:
A.Increased
B.Decreased*
C.Not affected
D.None of these
Ans:B
22.If the power factor of the load decreases, the line losses:
A.Not changed
B.Decreased*
C.Increased
D.Either(B)or(C)
Ans:B
23.Under operating conditions, the maximum stress in a cable is at:
A.Centre of conductor
B.End of conductor
C.Same*
D.Conductor surface
Ans:C
24.In practice,tap-changing is performed on load so that there isto supply

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A.Interrupted
B.No interruption
C.Either(A)or(B)
D.None of these*
Ans:D
25. The principle cause of voltage variation in system is depend on:
A.Power factor*
B.Frequency
C.Size of conductor
D.Load
Ans:A
26.Forced-blast circuit breakers havespeed of circuit interruption.
A.Low
B.Medium
C.High
D.Very high*
Ans:D
27. The time current characteristics of a fuse has:
A.Direct*
B.Inverse
C.Linear C.Linear
D.None of these
Ans:A

28. The melting point of fuse element should have:

A.Low
B.Medium*
C.High
D.Very High
Ans:B
29. Capacitive current breaking result is:
A.Current surges*
B.Harmonics
C.Arcing
D.Voltage surges
Ans:A
30. The voltage build-up process of a de generator is:
A.Difficult
B.Delayed
C.Infinite*
D.Cumulative
Ans:C
31. The voltage regulation of an over compound dc generator is always:
A.Negative*
B.Postitive
C.Zero
D.High
Ans:A

32. The normal value of the armature resistance of a dc motor is:
A.0.005
B.0.5*
C.10
D.100
Ans:B
33.A dc motor develops a torque of 200 N-m at 25 rps.At 20 rps it will develop a torque ofN-m.
A.128
B.160
C.200*
D.250
Ans:C
34.The speed of dc motor is inversely its:
A.Flux*
B.Voltage
C.Frequency
D.Pole
Ans:A
35. Which test for using to find stray losses on dc shunt motor?
A.Hopkinson's

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B.Swinburne's

D.Retradation*

C.Field's

IF YOU LIKE PLEASE SHARE TO YOUR FRIENDS AND SEND FACEBOOK FRIENDS INVITATION LIKE PAGE www.facebook.com/wishyouonline PLEASE MAY HELP THEM. Ans:D
36.A transformer has negative voltage regulation when its load power factor is:
A.Zero
B.Leading
C.Unity
D.Lagging
Ans:
37.A T-T transformer cannot be paralleled withtransformer.
A.V-V
B.Y-Delta
C.Y-Y
D.Delta-Delta*
Ans:D
38.The rpm of turbo alternator has:
A.Low
B.Medium
C.High
D.Any of these*
Ans:D
39. The efficiency of a 3-phase induction motor is approximately

proportional to:

A.S*

B.N

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C.Ns
D.(1-S)
Ans:A
40.To change the DOR of repulsion motor is:
A.To shift brush position
B.To interchange phase and neutral*
C.To varying frequency
D.All of the above
Ans:B
41.In dual cycle the heat is added at:
A.Constant temperature and pressure
B.Constant pressure and constant volume*
C.Cosntant pressure and constant temperature
D.Constant pressure and adiabatic
Ans:B
42. The pipes connected with F.I.P and injector is made of:
A.Copper
B.Aluminium
C.Steel*
D.Braided P.V.C
Ans:C
43.Catalytic converter is fitted in between: A.Intel manifold and fuel pump
B.Exhaust manifold and port

WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM. C.Inlet manifold and crank case D.Exhaust manifold and silencer* Ans:D 44.In maintenance free battery the plate grids are made of: A.Lead and calcium* B.Lead and antimony C.Lead and arsenic D.Lead and beryllium Ans:A 45.Cylinder liners are made of: A.Alloy steel B.Cast iron* C.Forged steel D.Gun metal Ans:B 46. Outward tilting of the front wheel at top in vertical line: A.Negative camber **B.**Positive caster C.King pin inclination D.Positive camber* Ans:D 47.In torsion bar suspension the road shock absorbed the torsion bar by: A.Compression

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B.Tension
C.Twisting*
D.Deflection
Ans:C
48. The straightness of a cam shaft can be checked by:
A.Straight edge
B.Steel rule
C.Dial gauge*
D.Bevel gauge
Ans:C
49.De-dion axles are used in:
A.Rear five axle with independent suspension*
B.Rear dead axle with rigid axle suspension
C.Front live axle with independent suspension
D.Front dead axle with rigid axle suspension
Ans:A
50. The valves contain in the pressure cap of radiator is:
A.Vacuum and pressure valves*
B.Atmospheric and vacuum valve
C.Blow of valve
D.Thermostat valve
Ans:A
51.If the unsprung weight is kept maximum, causes:
A.Uncomfortable ride*

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B.Better stability
C.Comfortable ride
D.Reduce side thrust
Ans:A
52. The energy produced by the engine is loss through the exhaust gas is:
A.10%
B.30%
C.25%
D.35%*
Ans:D
53. Thermostat is located in between:
A.Water pump and collector tank
B.Cylinder head and header tank*
C.Water pump and header tank
D.Water pump and water jacket
Ans:B
54. Knocking tendency in S.I. engine can be reduced by:
A.Increasing compression ratio
B.Increasing wall temperature
C.Decreasing engine speed
D.Increasing engine speed*
Ans:D
55 Most commonly used lubricants are made from:

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A.Animal oil
B.Vegetable oil
C.Mineral oil*
D.Synthetic material
Ans:C
56.Unit of kinematic viscosity is:
A.Centi stock*
B.Centi poise
C.Milli stock
D.Milli poise
Ans:A
57. The ratio speed of cam shaft and skew gear of oil pump is:
A.2:1
B.3:1
C.1:1*
D.1:2
Ans:C
58.One Newton is equal to:
A.108 dyne
B.107 erg
C.105 erg
D.105 dyne*
Ans:D
59.The rolling tendency of the vehicle can reduced by:

A.Panhard rod
B.Stabilizer rod*
C.Radius rod
D.Bell crank
Ans:B
60. The centrifugal advance mechanism in the distributor is works in relation to:
A.Engine speed*
B.Engine load
C.Engine torque
D.Engine power
Ans:A
61. The energy conversion during brake application:
A.Mechanical energy to kinetic energy
B.Kinetic energy to heat energy*
C.Heat energy to mechanical energy
D.Kinetic energy to mechanical energy
Ans:B
62.Clutch facings are made of:
A.Asbestos*
B.Steel
C.Leather
D.Fabric
Ans:A

63.In diaphragm clutch the wear of the clutch lining causes the clutch pedal to:
A.Spongy
B.Pulsation
C.Hard
D.Normal*
Ans:D
64. The ratio of side force sustained and slip angle is called:
A.Self righting torque
B.Caster trail
C.Cornering force
D.Cornering power*
Ans:D
65. While driving through a curved road the driver has to steer the vehicle more than it theoretically required this condition is called:
A.Over steer
B.Under steer*
C.Neutral steer
D.None of these
Ans:B
66. The approximate to pressure in the power steer system is:
А.3Кра
В.ЗМра

C.7Mpa*

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D.30Kpa
Ans:C
67. The aspect ratio of the tyre is the ratio of:
A.Tyre section width/Tyre section height
B.Tyre section height/Tyre section width*
C.Strength of ply/No of ply
D.Rim size/Tyre size
Ans:B
68. The excessive positive camber on wheel causes the tyre to wear:
A.More at center
B.More at outer edge*
C.More at inner edge
D.More at sidewall
Ans:B
69.The cone clutches are used in:
A.Sliding mesh gear box
B.Constant mesh gear box
C.Epicyclic gear box
D.Synchro mesh gear box*
Ans:D
70. Which type of the tyre gives riding comfort at slow speed?
A.Cross ply*
B.Radial ply
C.Solid tyre

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D.(B)and (C)
Ans:A
71. Which are the valves included in combination valves in hydraulic brake system?
A.Proportionating-Pressure differential-Brake valve
B.Proportionating-Metering Brake valve
C.Proportionating-Metering-Pressure differential valves*
D.Protection valve-Brake valve-Vacuum release valve
Ans:C
72. Minimum age for securing an Indian union driving license with authorization to drive transport vehicle:
A.21 years*
B.18 years
C.16 years
D.20 years
Ans:A
73. Which tool is used to give uniform tightness in a bolt or stud?
A.Ring spanner
B.Ratchet spanner
C.Torque wrench*
D.Allen wrench
Ans:C
74. What are the regulators are not necessary in charging system used with alternator?

IF YOU LIKE PLEASE SHARE TO YOUR FRIENDS AND SEND FACEBOOK FRIENDS INVITATION LIKE PAGE WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM. A.Current regulator and voltage regulator B.Speed regulator and voltage regulator C.Voltage regulator and cut out D.Current regulator and cut out* Ans:D 75. The head lamp reflectors are made: A.Spherical shape B.Flat shape C.Hyperbolic shape D.Parabolic shape* Ans:D 76. Who introduced first wind screen wiper in motor vehicle? A.Willys knight B.W.W.Burton C.Diamler benz D.Camille jentazy Ans:----77. Sludge is formed when the oil is mixed with: A.Water* **B.Fuel** C.Ethyl D.Exhaust gas Ans:A

78.A.B.S.Stands for:

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B.Anti lock Brake System*
C.Air Bag System
D.Air Brake System
Ans:B
79. Which gas is inflated in the air bag during collision?
A.Oxygen
B.Carbon di oxide
C.Hydrogen
D.Nitrogen*
Ans:D
80. Super charging in S.I. engine the possibility of detonation is:
A.Decreases
B.Increases*
C.Same
D.None of these
Ans:B
81. The land surrounded by sea on three sides is called:
A.Peninsula*
B.Coast
C.Island
D.Straits
Ans:A
82.Which planet is known as Red Planet?

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A.Saturn
B.Mercury
C.Sun
D.Mars*
Ans:D
83.The twin of Narmada river:
A.Luni
B.Tapi*
C.Mahi D.Sabarmati
Ans:B
84.Latitude and Altitude determines which climatic elements of a place:
A.Pressure and Wind system
B.Temperature
C.Rain fall pattern
D.All the above*
Ans:D
85. Which of the latitudes passes through the middle of our country?
A.Tropic of capricon
B.Tropic of cancer*
C.Equator
D.82°30N
Ans:B

86. Which prevents the southwest monsoon winds from escaping from India?

A.Seas
B.Low pressure over Central Asia
C.Himalayas*
D.The Great Indian Desert
Ans:C
87.National Bank for Agriculture and Rural Development was established in:
A.1982*
B.1983
C.1984
D.1985
Ans:A
88.NOAPS-poverty alleviation scheme benefits which section of people:
A.Children
B.Women
C.Old people*
D.All the above
Ans:C
89. The only state in India that shows an excess of females over males is:
A.Kerala*
B.Punjab
C.West Bengal

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D.Assam
Ans:A
90.Ranapratap Sagar dam is located in:
A.Orissa
B.Rajasthan*
C.Punjab
D.Maharashtra
Ans:B
91. The first organized agitation against orthodoxy in Kerala, for the rights of the depressed classes:
A.Guruvayur Sathyagraha
B.Mapila Outbreak
C.Vaikkom Sathyagraha*
D.None of the above
Ans:C
92.Who published Vivekodayam?
A.Brahmananda Sivayogi
B.Narayana Guru
C.Sahodaran Ayyappan
D.Kumaranashan*
Ans:D
93.One important work of Chavarachan:
A.Atmanuthapam*
B.Udvannavirunnu

IF YOU LIKE PLEASE SHARE TO YOUR FRIENDS AND SEND FACEBOOK FRIENDS INVITATION LIKE PAGE WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM. C.Atmavidhya D.Sathyarthprakashika Ans:A 94. Saivaprakasika Sabha started by: A.Narayana Guru B.Dr.Palpu C.Thycaud Ayya* D.Chattampi Swamikal Ans:C 95. Which header was arrested during the time of Swati Tirunal Maharaja for his progressive ideas? A.Narayana Guru B.Vaikunda Swamikal* C.Dr.Palpu D.Vakkom Maulavi Ans:B 96. For the outstanding services to his community he was nominated by the Travancore Government as a member of the Sree Moolam Praja Sabha: A.Kumaranashan B.Vakkom Maulavi C.Sahodaran Ayyappan D.Ayyankali* Ans:D

97. Who among the following resigned from the membership of the Viceroys Executive Council as a protest against Jallian WallaBagh massacre?

A.MA Jinnah
B.Nehru
C.Ramaswami Naiker
D.C.Sankaran Nair*
Ans:D
98. During the company rule the widow Remarriage Act was drafted by
A.Lord Dalhousie
B.Lord Canning*
C.Lord Clive
D.Lord Curzon
Ans:B
99. Number of east flowing rivers in Kerala:
A.4
B.3*
C.5
D.6
Ans:B
100.Oldest sports in the world:
A.Football
B.Cricket
C.Archery*

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D.Tennis
Ans:C