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

THANKS FOR YOUR SUPPORT.MORE FILES DOWNLOAD VISIT WWW.WISHYOUONLINE.BLOGSPOT.COM

B.Plastic

C.Silicon

IF YOU LIKE PLEASE SHARE TO YOUR FRIENDS AND SEND FACEBOOK FRIENDS INVITATION LIKE PAGE WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM. D.Tungston*
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*

WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM.
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

THANKS FOR YOUR SUPPORT.MORE FILES DOWNLOAD VISIT $\underline{\text{WWW.WISHYOUONLINE.BLOGSPOT.COM}}$

IF YOU LIKE PLEASE SHARE TO YOUR FRIENDS AND SEND FACEBOOK FRIENDS INVITATION LIKE PAGE www.facebook.com/wishyouonline PLEASE MAY HELP THEM.
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

THANKS FOR YOUR SUPPORT.MORE FILES DOWNLOAD VISIT $\underline{\text{WWW.WISHYOUONLINE.BLOGSPOT.COM}}$

WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM.
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

WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM.
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

THANKS FOR YOUR SUPPORT.MORE FILES DOWNLOAD VISIT <u>WWW.WISHYOUONLINE.BLOGSPOT.COM</u>

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

IF YOU LIKE PLEASE SHARE TO YOUR FRIENDS AND SEND FACEBOOK FRIENDS INVITATION LIKE PAGE www.facebook.com/wishyouonline PLEASE MAY HELP THEM.
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

THANKS FOR YOUR SUPPORT.MORE FILES DOWNLOAD VISIT WWW.WISHYOUONLINE.BLOGSPOT.COM

<u>WWW.FACEBOOK.COM/WISHYOUONLINE</u> PLEASE MAY HELP THEM.
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*

IF YOU LIKE PLEASE SHARE TO YOUR FRIENDS AND SEND FACEBOOK FRIENDS INVITATION LIKE PAGE www.facebook.com/wishyouonline PLEASE MAY HELP THEM.
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:

WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM.
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*

WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM.
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

THANKS FOR YOUR SUPPORT.MORE FILES DOWNLOAD VISIT <u>WWW.WISHYOUONLINE.BLOGSPOT.COM</u>

WWW.FACEBOOK.COM/WISHYOUONLINE PLEASE MAY HELP THEM.
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:

<u>WWW.FACEBOOK.COM/WISHYOUONLINE</u> PLEASE MAY HELP THEM. A.Auxillary Brake System
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?

<u>WWW.FACEBOOK.COM/WISHYOUONLINE</u> PLEASE MAY HELP THEM.
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

IF YOU LIKE PLEASE SHARE TO YOUR FRIENDS AND SEND FACEBOOK FRIENDS INVITATION LIKE PAGE <u>WWW.FACEBOOK.COM/WISHYOUONLINE</u> PLEASE MAY HELP THEM.
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*

IF YOU LIKE PLEASE SHARE TO YOUR FRIENDS AND SEND FACEBOOK FRIENDS INVITATION LIKE PAGE www.facebook.com/wishyouonline Please May Help Them.
D.Tennis
Ans:C