

KERALA PSC LEGAL METROLOGY

ASSISTANT

SAMPLE QUESTION PAPER

CATEGORY NO: 436/2016

1. The first president of the Travencore State Congress:
 - a. Pattom Thanu Pillai
 - b. P S Nataraja Pillai
 - c. C V Kunjiraman
 - d. C Kesavan
2. The Ezhava Memorial of 1900 was submitted before:
 - a. Sree Moolam Thirunal
 - b. Lord Curzon
 - c. Lord Dufferin
 - d. None of these
3. The name 'Muthukutty' was the childhood name of:
 - a. Chattampi Swamikal
 - b. Ayya Vaikundar
 - c. Sree Narayana Guru
 - d. None of these
4. Who became the editor of 'Yukthivadi' magazine in 1928:
 - a. Mannath Padmanabhan
 - b. Sahodaran Ayyappan
 - c. Kumaranasan
 - d. None of these
5. The Suez canal joins Red sea with:
 - a. Black Sea
 - b. Caspian Sea
 - c. Meditaranian Sea
 - d. Arabian Sea
6. Which of the following is a kharif crop in our country?
 - a. Wheat
 - b. Maize

- c. Barely
 - d. Opium
7. Pankaj Advani's name is associate with:
- a. Billiards
 - b. Chess
 - c. Police service
 - d. Politics
8. The term 'Middle Path' associated with:
- a. Jainism
 - b. Buddhism
 - c. Hinduism
 - d. None
9. Which of the following is the oldest Dynasty?
- a. Chalukyas
 - b. Cholas
 - c. Pallavas
 - d. Satavahanas
10. The founder of Indian National Congress:
- a. A O Hume
 - b. Nehru
 - c. Gandhiji
 - d. Thilak
11. Which Veda contains sacrificial formulae?
- a. Rigveda
 - b. Samaveda
 - c. Yajurveda
 - d. None
12. Which was the main port city of Harappa civilization?
- a. Harappa
 - b. Mohanjodaro
 - c. Lothal
 - d. None
13. The oldest Veda is:
- a. Rigveda
 - b. Samaveda

- c. Yajurveda
 - d. None
14. At which place did Budha die?
- a. Kusinagara
 - b. Sarnath
 - c. Kundagrama
 - d. None
15. The Budhists literature was written in:
- a. Sanskrit
 - b. Pali
 - c. Hindi
 - d. None
16. Where is the Meenakshi Temple situated:
- a. Karnataka
 - b. Madurai
 - c. Maharashtra
 - d. None
17. The Book titled 'Leelavathi' is related to:
- a. History
 - b. Politics
 - c. Administration
 - d. Mathematics
18. Where was the capital of Sivaji situated?
- a. Sasaram
 - b. Rajgarh
 - c. Raigad
 - d. None
19. Who built the Grand Trunk Road?
- a. Ashoka
 - b. Chandraguptha
 - c. Shershah
 - d. Humayun
20. 'Gidda' is the famous folk dance of:
- a. Panjab
 - b. Karnataka

- c. Maharashtra
 - d. None
21. Gandhara Art flourished under:
- a. Guptha
 - b. Kushana
 - c. Bactrians
 - d. None
22. How many strings are there on a Sarod?
- a. 19
 - b. 15
 - c. 20
 - d. 25
23. How many 'Mahajanapadas' in ancient Indian history?
- a. 13
 - b. 14
 - c. 15
 - d. 16
24. Which of the following is the currency of Bahrain?
- a. Peso
 - b. Dinar
 - c. Riyal
 - d. Bahat
25. Commonwealth games 2014 organized:
- a. London
 - b. New Delhi
 - c. Glasgow
 - d. Toronto
26. Deepika kumari's name associated with:
- a. Swimming
 - b. Archery
 - c. Billiards
 - d. Cricket
27. Which of the following terms not associated with Banking (or) finance?
- a. SLR
 - b. LBW

- c. Credit
 - d. Reporate
28. Which of the following cups/ trophies is associated with the game of cricket?
- a. Renji Trophy
 - b. Davis cup
 - c. Thomas cup
 - d. Nehru trophy
29. How many members are nominated by President of India to the Rajyasabha?
- a. 5
 - b. 6
 - c. 8
 - d. None
30. Members of the Loksabha are elected for a period of:
- a. 4 years
 - b. 5 years
 - c. 6 years
 - d. 7 years
31. The subject in which Alfred Nobel did not institute Nobel Prize?
- a. Peace
 - b. Literature
 - c. Medicine
 - d. Economics
32. The United Nations University of Peace is in:
- a. Tokyo
 - b. Costa Rica
 - c. New York
 - d. Geneva
33. Which of the following planets smaller than earth?
- a. Neptune
 - b. Uranus
 - c. Saturn
 - d. Venus
34. India is the largest country in the world in terms of area:

- a. 6
 - b. 8
 - c. 7
 - d. 9
35. The language group in India that has the largest number of speakers:
- a. Dravidian
 - b. Sino Tibetan
 - c. Indo Aryan
 - d. None of these
36. Yamuna was known asin Puranas:
- a. Tamassa
 - b. Kalindi
 - c. Bagirathi
 - d. Saraswathi
37. The author of 'Amuktamalyada':
- a. Sivaji
 - b. Krisna Deva Raya
 - c. Harsha
 - d. Amoghavarsha
38. The first to become the President of the Indian National Congress:
- a. Dadabhai Navroji
 - b. W C Banerji
 - c. Gandhiji
 - d. A O Hume
39. The Insurance Regulatory and Development Authority (IRDA) is based in
- a. New Delhi
 - b. Mumbai
 - c. Chennai
 - d. Hyderabad
40. Which is the largest state owned bank in India?
- a. Punjab National Bank
 - b. Allahabad Bank
 - c. State Bank of India
 - d. Canara Bank

41. Who was the first chairman of National Human Rights Commission?
- Js. J S Varma
 - Js. A S Anand
 - Js. Ragunath Mishra
 - Js. M N V enkittachellayya
42. In which country is Hangzhou the proposed venue of 2022 Asian Games?
- South Korea
 - North Korea
 - China
 - Japan
43. The native state of Justice(Rtd) P Sadasivam the Governor of Kerala:
- Tamil Nadu
 - Andhra Pradesh
 - Karnataka
 - Telengana
44. The ordinal status of Ram Nath Kovind in the list of President of India:
- 14
 - 15
 - 16
 - None of these
45. Who is the Chairman of Kerala Public Service Commission?
- Dr. K S Radhakrishnan
 - Adv. M K Sakeer
 - K Mohan Kumar
 - None of these
46. The famous book by Stephen Hawking:
- Around the world in 80 days
 - A brief history of Time
 - 1984
 - Jurassic Park
47. The venue of future Kerala Summit held in 2018:
- Kochi
 - Kannur
 - Ernakulam
 - Thiruvananthapuram

48. Who is the leader of opposition in Kerala legislative assembly?
- Thiruvanchur Radhakrishnan
 - Oommen Chandi
 - Ramesh Chennithala
 - None of these
49. Manushi Chillar was crowned as the Miss World 2017. Which City was the venue of the competition?
- Sanya
 - Las Vegas
 - Tokyo
 - None of these
50. Who is the Union Minister for Home Affairs:
- Rajnath Singh
 - Sushama Swaraj
 - Arun Jaitely
 - None of these
51. Self generating type transducers are transducers:
- Active
 - Passive
 - Secondary
 - Inverse
52. Which of the following is a digital transducer?
- Strain gauge
 - Encoder
 - Thermistor
 - LVDT
53. Quartz and Rochelle salt belongs to of piezo-electric materials:
- Natural group
 - Synthetic group
 - Natural group or Synthetic group
 - Fiber group
54. LVDT windings are wound on:
- Steel sheets
 - Aluminium
 - Ferrite

- d. Copper
55. Capacitive transducers are normally employed for measurements:
- a. Static
 - b. Dynamic
 - c. Transient
 - d. Both static and dynamic
56. The application of LVDT is:
- a. Finger movement
 - b. Joint motion
 - c. Limp movement
 - d. Heart wall motion
57. Photo conductive cell consists of thin film of:
- a. Quartz
 - b. Lithium sulphate
 - c. Barium titanate
 - d. Selenium
58. Test electrode is also known as:
- a. Indicator electrode
 - b. Reference electrode
 - c. Second electrode
 - d. Primary electrode
59. is the example of photo emissive cell:
- a. LDR
 - b. Photo diode
 - c. Photo transistor
 - d. Photo multiplier
60. pH value of venous blood is:
- a. 7.30
 - b. 7.40
 - c. 7.35
 - d. 7.45
61. The capacitance microphone is used for the detection of:
- a. Heart rate
 - b. Blood flow
 - c. Heart sound

- d. Foot pressure
62. fiber is used in interferometric instruments:
- a. Monomode
 - b. Multimode
 - c. Birefringent
 - d. Coated
63. Fiber optic sensor can be used to sense
- a. Displacement
 - b. Power
 - c. Current
 - d. Resistance
64. The decibel is a measure of:
- a. Current
 - b. Voltage
 - c. Power
 - d. Power level
65. An ideal amplifier has:
- a. Noise figure of 0 db
 - b. Noise figure of more than 0 db
 - c. Noise factor of unity
 - d. Noise figure of less than 0 db
66. The amplifier which has no drift is called as:
- a. Differential amplifier
 - b. DC amplifier
 - c. Single ended amplifier
 - d. Chopper amplifier
67. CMRR is more in
- a. Single ended amplifier
 - b. Differential amplifier
 - c. Inverting operational amplifier
 - d. Chopper amplifier
68. amplifier is used to drive the recorder:
- a. power amplifier
 - b. pre amplifier
 - c. Operational amplifier

- d. Differential amplifier
69. An electrometer amplifier has high input impedance of:
- 1010
 - 1005
 - 1020
 - 1015
70. The CMRR of a typical IC OPAMP is:
- 70 db
 - 80 db
 - 85 db
 - 75 db
71. Which of the following recorder gives slow response?
- X-Y recorder
 - Oscillographic
 - Galvanometric
 - Magnetic
72. The slewing speed of X-Y recorder is:
- 1.6 m/s
 - 1.3 m/s
 - 1.4 m/s
 - 1.5 m/s
73. Stress and strain curves are plotted using :
- Magnetic tape recording
 - X-Y recording
 - Galvanometric
 - PMMC writing system
74. Storage oscilloscope operates on the principle of:
- Primary emission
 - Deflection
 - Secondary emission
 - Diffusion
75. Duration of rotation of pen in the PMMC system depends upon
- Phase angle
 - Frequency
 - Magnitude

- d. Direction
76. A Is usually display device used to produce a paper record of analog wave form.
- a. Graphic pen recorder
 - b. Electron microscope
 - c. X-Y recorder
 - d. Oscilloscope
77. Raising input impedance of pre amplifier reduces:
- a. Input current
 - b. Output current
 - c. Stray current
 - d. Grid current
78. Isolation amplifier are also called as:
- a. DC amplifier
 - b. Output amplifier
 - c. Inverting amplifier
 - d. Iso-amps
79. The sensitivity factor of strain gauge is normally of the order of:
- a. 1 to 1.5
 - b. 1.5 to 2.0
 - c. 0.5 to 1.0
 - d. 5 to 10
80. Resolution of a transducer depends on:
- a. Material of wire
 - b. Length of wire
 - c. Diameter of wire
 - d. Excitation voltage
81. A particle in equilibrium cannot have:
- a. Linear motion with constant speed
 - b. Constant velocity
 - c. Zero acceleration
 - d. Curvilinear motion with constant speed
82. Slope of tangent to shear force diagram gives:
- a. Rate of loading
 - b. Couple moment

- c. Support reactions
 - d. Bending moment
83. The instantaneous center of rotation is a point of zero:
- a. Angular velocity
 - b. Linear velocity
 - c. Displacement
 - d. Acceleration
84. The property of a material to absorb energy within elastic limits is known as:
- a. Elasticity
 - b. Tensile strength
 - c. Resilience
 - d. Stiffness
85. Rivets are made of following types of the materials:
- a. Hard
 - b. Tough
 - c. Ductile
 - d. Malleable
86. The surface of the gear tooth below the pitch surface is called:
- a. Face
 - b. Bottom tooth
 - c. Tooth depth
 - d. Flank
87. In forced vibration, the magnitude of the damping force at resonance equals to:
- a. Zero
 - b. Impressed force
 - c. Infinity
 - d. Inertia force
88. Pulley in belt drive acts as:
- a. Rolling pair
 - b. Sliding pair
 - c. Turning pair
 - d. Surface pair
89. Which of the following clutches is of positive type:
- a. Disc

- b. Cone
 - c. Jaw
 - d. Hydraulic
90. Cylinder blocks of internal combustion engine are made by:
- a. Drilling
 - b. Forging
 - c. Casting
 - d. Broaching
91. The interference in cycloidal teeth:
- a. Is absent completely
 - b. Is maximum
 - c. Depends on number of teeth
 - d. Depends on pressure angle
92. Which type of cam is used for high speed engine?
- a. Flat
 - b. Involute
 - c. Cycloidal
 - d. Simple harmonic motion
93. A property often used to characterize strength and hardness at elevated temperatures is:
- a. Creep
 - b. Fatigue
 - c. Residual hardness
 - d. Hot hardness
94. Tool life in turning will decrease by maximum extent if the following is doubled:
- a. Depth of cut
 - b. Feed
 - c. Cutting velocity
 - d. Tool rake angle
95. Ring and gap gauges are used to check the:
- a. Shaft
 - b. Angle
 - c. Hole
 - d. Spline

96. Which one of the following is not the solution method of transportation problems?

- a. Least cost method
- b. Big M method
- c. Northwest corner method
- d. Hungarian method

97. Gantt chart provides information on:

- a. Normal time estimate
- b. Production schedule
- c. Proper flow of material
- d. Material handling devices

98. PDCA cycle was given by:

- a. Deming
- b. Crosby
- c. Schimdt
- d. Juran

99. The crystal structure of Chromium (Cr) at room temperature is:

- a. Simple Cubic (SC)
- b. Body-Centered Cubic (BCC)
- c. Face-Centered Cubic (FCC)
- d. Octagonal Close Packed (OCG)

100. The include angle in Acme threads is:

- a. 22 degree
- b. 30 degree
- c. 29 degree
- d. 26 degree

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