

# **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 as .....in 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:
- a. 1010
  - b. 1005
  - c. 1020
  - d. 1015
70. The CMMR of a typical IC OPAMP is:
- a. 70 db
  - b. 80 db
  - c. 85 db
  - d. 75 db
71. Which of the following recorder gives slow response?
- a. X-Y recorder
  - b. Oscillographic
  - c. Galvanometric
  - d. Magnetic
72. The slewing speed of X-Y recorder is:
- a. 1.6 m/s
  - b. 1.3 m/s
  - c. 1.4 m/s
  - d. 1.5 m/s
73. Stress and strain curves are plotted using :
- a. Magnetic tape recording
  - b. X-Y recording
  - c. Galvanometric
  - d. PMMC writing system
74. Storage oscilloscope operates on the principle of:
- a. Primary emission
  - b. Deflection
  - c. Secondary emission
  - d. Diffusion
75. Duration of rotation of pen in the PMMC system depends upon .....
- a. Phase angle
  - b. Frequency
  - c. 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?
- Least cost method
  - Big M method
  - Northwest corner method
  - Hungarian method
97. Gantt chart provides information on:
- Normal time estimate
  - Production schedule
  - Proper flow of material
  - Material handling devices
98. PDCA cycle was given by:
- Deming
  - Crosby
  - Schmidt
  - Juran
99. The crystal structure of Chromium (Cr) at room temperature is:
- Simple Cubic (SC)
  - Body-Centered Cubic (BCC)
  - Face-Centered Cubic (FCC)
  - Octagonal Close Packed (OCP)
100. The included angle in Acme threads is:
- 22 degree
  - 30 degree
  - 29 degree
  - 26 degree

