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27th Bihar Judicial Services

**Previous Year Paper
(Prelims) GK Paper-I
2009**



Bihar Judicial Service Exam., 2009

[Judicial Exam. P.T.]

GENERAL STUDIES

17. Which of the following fluids would cool a $\frac{1}{2}$ inch thick piece of steel the fastest?
 (A) Motor oil
 (B) 25% salt water solution
 (C) 5% salt water solution
 (D) Pure water

18. A spring scale reads 20 N (Newton) as it pulls a 5.0 kg mass across a table. What is the magnitude of the force exerted by the mass on the spring scale?
 (A) 49 N
 (B) 20 N
 (C) 5.0 N
 (D) 4.0 N

19. Light year is a unit of
 (A) Time
 (B) Intensity of light
 (C) Distance
 (D) None of these

20. A burn caused by steam is more painful than a burn caused by boiling water because
 (A) Steam penetrates inside the body
 (B) Water is heavier than steam
 (C) Steam has more attacking power
 (D) Steam contains latent heat

21. The planet closest to the Sun is
 (A) Mercury
 (B) Venus
 (C) Earth
 (D) Mars

22. What comes in place of the question mark (?)
 $185 \times 12 - 30 + 66 - 12 = ?$
 (A) 12.33
 (B) 11.67
 (C) 79.5
 (D) 89

23. Which of the following is not a mammal?
 (A) Fish
 (B) Bat
 (C) Whale
 (D) None of these

24. Who wrote Jaina Kalpasutra?
 (A) Bhadrabahu
 (B) Sthalabahu
 (C) Mahavira
 (D) Parsvanath

25. Fa-hien visited India during the period of
 (A) Chandragupta Maurya
 (B) Chandragupta I
 (C) Samudragupta
 (D) Chandragupta II

26. The Paramara dynasty was founded by
 (A) Upendra
 (B) Bhoja
 (C) Sindhuraja
 (D) Vakpati-Munja

27. 'The Kitab-ul-Hind' was written by
 (A) Al-Masudi
 (B) Abu Raihan Alberuni
 (C) Ibn Batuta
 (D) Megasthenes

28. Who wrote 'Padmavat'?
 (A) Chandbardai
 (B) Narpati Nalha
 (C) Gesudraj
 (D) Jayasi

29. In British period the peasantry was ground down by the
 (A) Zamindar
 (B) Government
 (C) Moneylender
 (D) Merchant/middleman

30. Who was the President of Calcutta session of Congress in 1886?
 (A) W. C. Bonnerjee
 (B) Dadabhai Naoroji
 (C) Badrudin Tyabji
 (D) Naoroji Furdoonji

31. Who has been regarded as the 'heroine of Quit India Movement'?
 (A) Kamla Devi Chattopadhyay
 (B) Sucheta Kriplani
 (C) Aruna Asaf Ali
 (D) Sarojini Naidu

32. Which of the following is not an Island?
 (A) Rameshwaram
 (B) Shriharikota
 (C) New Moore
 (D) Uran

33. What is the name of the reservoir made by Tehri dam project?
 (A) Govind Sagar
 (B) Umed Sagar
 (C) Swami Ramthirth Sagar
 (D) Govind Ballabh Sagar

34. The highest waterfall in India is
 (A) Kalindi waterfall
 (B) Jog waterfall
 (C) Milky waterfall
 (D) Shimsha waterfall

35. After many years, Javan Rhinos were found in March 2009 in which one of the following countries?
 (A) China
 (B) Malaysia
 (C) Indonesia
 (D) Thailand

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38. "Spark" is the model of a car of which car manufacturing company?
 (A) Ford (B) Chevrolet
 (C) Toyota (D) Honda

39. What was the name of the reality show in which Jade Goody, who died recently of cancer, had a rift with Indian actress Shilpa Shetty?
 (A) Big Boss (B) Big Brother
 (C) American Idol (D) Indian Idol

40. In which among the following events did Abinav Bindra win the first ever individual Gold medal by an Indian at Beijing Olympics?
 (A) 50 metre Rifle (B) 50 metre Pistol
 (C) 10 metre Air Rifle (D) 25 metre Pistol

41. Which company purchased Satyam Computer Services in April 2009 by quoting the highest bid?
 (A) L&T (B) W. L. Ross
 (C) Infosys (D) Tech Mahindra

42. A quick and simple method commonly used to inspect whether a metal is Stainless steel is to
 (A) Measure its specific gravity
 (B) Pass a current through it and measure its resistance
 (C) Test if it will react with sulfuric acid
 (D) Test if a magnet will be attracted to it

43. A light bulb breaks when it hits the floor but does not break when it hits a rug, because
 (A) Change in momentum of the bulb is greater for the rug
 (B) Change in momentum of the bulb is greater for the floor
 (C) Light bulb weighs more when it hits the floor
 (D) The time the bulb takes to stop moving is less for the floor

44. A hunter aims his gun at a monkey sitting at a distant tree. At the moment the bullet leaves the gun, the monkey drops vertically down. The bullet will
 (A) Hit the monkey
 (B) Not hit the monkey
 (C) Pass above the monkey's head
 (D) None of these

45. At higher altitudes water boils at temperature lower than 100°C because
 (A) Boiling point of water becomes lower at lower atmospheric pressure
 (B) Gravitational pull is lower at higher altitudes
 (C) Wind on higher altitudes are stormy
 (D) None of these

46. A diode is a device which forces the electric current
 (A) To flow in one direction only
 (B) To flow in both directions
 (C) Not to flow at all
 (D) None of these

47. The most abundant element in the crust of the earth is
 (A) Oxygen (B) Nitrogen
 (C) Manganese (D) Silicon

48. The technique used to detect the paternal character of an offspring is
 (A) Protein synthesis
 (B) Chromosome counting
 (C) Quantitative synthesis of DNA
 (D) DNA finger printing

49. The second Buddhist Council was summoned by
 (A) Bimbisara (B) Kalasoka
 (C) Ananda (D) Asoka

50. What was the name of South Indian moneylenders?
 (A) Seths (B) Chettis
 (C) Panis (D) Nayars

51. Chola age was most famous for
 (A) Village assemblies
 (B) War with the Rashtrakutas
 (C) Trade with Ceylon
 (D) Advancement of Tamil culture

52. Urdu as a new language was evolved for
 (A) Official use
 (B) Mutual intercourse
 (C) Religious purposes
 (D) Muslims only

53. Sheikh Nizam-ud-din Aulia was a
 (A) Courtier
 (B) Sufi saint
 (C) Religious preacher
 (D) Poet

62. Faizdar was in-charge of a
 (A) Pargana (B) Province
 (C) Barkar (D) Village

63. The Young Bengal Movement was inspired by
 (A) Raja Rammohan Roy
 (B) Ishwar Chandra Vidyasagar
 (C) David Hare
 (D) Henry Vivian Derozio

64. Stratford Crisps was a member of the
 (A) Conservative party
 (B) Labour party
 (C) Liberal party
 (D) Official hierarchy

65. The All India Kisan Sabha was formed in
 (A) 1920 (B) 1932
 (C) 1936 (D) 1940

66. Which of the following State has the first place in the production of tin?
 (A) Orissa (B) Jharkhand
 (C) Rajasthan (D) Madhya Pradesh

67. Lowest Scheduled Tribes Population is found in
 (A) Mizoram (B) Nagaland
 (C) Goa (D) Karnataka

68. First nuclear energy plant in India was established in
 (A) Nalore (B) Kalpakkam
 (C) Bangalore (D) Hyderabad

69. INS VIRAAT, the only aircraft carrier of the Indian Navy in the Indian ocean was originally commissioned into the Royal British Navy in 1959 as
 (A) HMS Hermes (B) HMS Argus
 (C) HMS Furious (D) HMS Ark Royal

70. Who has been appointed as the Director of the All India Institute of Medical Sciences for a term of five years after the retirement of Prof. Venugopal?
 (A) Dr. R.C. Deka (B) Dr. C. Ramdoss
 (C) Dr. T.D. Dogra (D) Dr. P.D. Dave

71. Who won the Women's Singles title in Tennis at the Australian Open in 2009?
 (A) Dinara Safina (B) Serena Williams
 (C) Ana Ivanovic (D) Sania Mirza

72. Who among the following was the author of the novel 'The White Tiger' published in 2008?
 (A) Jhumpa Lahiri
 (B) Arvind Adiga
 (C) Arundhati Roy
 (D) Salman Rushdie

73. Who was the Chairman of Sixth Central Pay Commission?
 (A) R. Pandian
 (B) Ravindra Dholakia
 (C) B. N. Sri Krishna
 (D) J. S. Mathur

74. Which of the following is measured in hertz?
 (A) Speed
 (B) Amplitude
 (C) Wavelength
 (D) Frequency

75. Which of the following is a source of emission in a microwave oven?
 (A) A cyclotron
 (B) A magnetron
 (C) A laser lamp
 (D) A cathode ray tube

76. An athlete can take a longer jump if he comes running from a distance as compared to that when he jumps suddenly. This is because of
 (A) Inertia of rest
 (B) Inertia of motion
 (C) Inertia of direction
 (D) Inertia of position

77. If water completely filling a bottle be frozen, the bottle cracks because
 (A) Water expands on freezing
 (B) Bottle contracts when water freezes
 (C) External temperature of the bottle is more than the internal temperature
 (D) Water contracts on freezing

78. If ten bulbs of 100 watt each are kept switched on for one hour each day, the energy consumed per day will be
 (A) 1 Unit (B) 100 KWH
 (C) 10 Units (D) 10 KWH

79. In all organic compounds an essential fundamental element is
 (A) Nitrogen (B) Oxygen
 (C) Carbon (D) Sulfur

90. Who won the Oscar for the best Sound Mixing in the film *Slumdog Millionaire*?
(A) A. R. Rehman (B) Gulzar
(C) Resul Pekutty (D) Anil Kapoor

91. 108th Constitution Amendment Bill is also known as
(A) Tada Bill
(B) Women's (Reservation of Seats) Bill
(C) Cooperative Societies Bill
(D) Lokpal Bill

92. Heating fuels in the absence of air is called "Destructive Distillation" because it breaks them into components. What we get when we do the same to wood?
(A) Charcoal (B) Acetic acid
(C) Tar (D) All of them

93. The 34th Summit of G-8 was held in
(A) Japan (B) Italy
(C) France (D) Germany

94. If the sum of all the forces acting on a moving object is zero, the object will
(A) Slow down and stop
(B) Change the direction of its motion
(C) Accelerate uniformly
(D) Continue moving with constant velocity

95. Bodies falling freely from a high tower have
(A) Equal velocity
(B) Equal acceleration
(C) Equal momentum
(D) Equal force

96. Mirages are seen in deserts on a hot afternoon because of
(A) Refraction
(B) Total internal reflection
(C) Dispersion
(D) Diffraction

97. Which of the following gas is responsible for acid rain?
(A) CFC
(B) Methane
(C) Ozone
(D) SO_2

98. Main constituent of polluting gases coming out of the exhaust pipes of motor vehicles is
(A) Carbon dioxide
(B) Carbon monoxide
(C) Marsh gas
(D) Nitrogen oxide

99. Mohan's average score after 4 tests is 89, what score in the 5th test would bring his average to exactly 90?
(A) 94 (B) 93
(C) 92 (D) 91

100. In year 2000, population of town A was 9400 and that of town B was 7600. Since then each year, the population of town A has decreased by 100 and that of town B has increased by 100. In which year the populations of both the towns become equal?
(A) 2118 (B) 2117
(C) 2010 (D) 2009