Booklet Series **C** Register Number

2010 (TNPSC Group – I Prelim Exam)
GENERAL KNOWLEDGE

Time Allowed: 3 Hours **Maximum Marks: 300**

Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS

1. This Booklet has a cover (this page) which should not be opened till the invigilator gives signal to open it at the commencement of the examination. As soon as the signal is received you should tear the riht side of the booklet cover carefully to open the booklet. Then proceed to answer the questions.
2. This question Booklet contains **200** questions
3. Answer **all** questions, **All** questions carry equal marks.
4. The Test Booklet is printed in *four* series *e.g.* A B C or D (See Top left side of this page). The candidate has to indicate in the space provided in the Answer Sheet the series of the booklet. For example, if the candidate gets A series booklet, he/she has to indicate in the side 2 of the Answer Sheet with Blue or Black Ink Ball point pen as follows:

   [A] B [B] [C] [D]
5. You must write your Register Number in the space provided on the top right side of this page. Do not write anything else on the Question Booklet.
6. An Answer Sheet will be supplied to you separately by the Invigilator to mark the answers. You must write your Name, Register No. and other particulars on side 1 of the Answer Sheet provided, failing which your Answer Sheet will not be evaluated.
7. You will also encode your Register Number, Subject Code etc., with Blue or Black ink Ball point pen in the space provided on the side 2 of the Answer Sheet. If you do not encode properly or fail to encode the above information, your Answer Sheet will not be evaluated.
8. Each question comprises *four* responses [A], [B], [C] and [D]. You are to select ONLY ONE correct response and mark in you Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
9. In the Answer Sheet there are four brackets [A] [B] [C] and [D] against each question. To answer the questions you are to mark with Ball point pen ONLY ONE bracket of your choice for each question. Select one response for each questionin the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong. *e.g.* If for any item, (B) is the correct answer, you have to mark as follows:

   [A] [B] [C] [D]
10. You should not remove or tear off any sheet from this Question Booklet. You are not allowed to take this Question Booklet and the Answer Sheet out of the Examination Hall during the examination. After the examination is concluded, you must hand over your Answer Sheet to the Invigilator. You are allowed to take the Question Booklet with you only after the Examination is over.
11. The sheet before the last page of the Question Booklet can be used for Rough Work.
12. Failure to comply with any of the above instructions will render you liable to such action or penalty as the Commission may decide at their discretion.
13. In all matters and in cases of doubt, the English Version is final.
14. Do not tick-mark or mark the answer in the Question Booklet.

1. The Avogadro number is

A) 6.00×10^{24}

B) 6.023×10^{23}

C) 6.054×10^{22}

D) 6.504×10^{22}

2. Viscous force is directly proportional to

A) Temperature gradient

B) Mass gradient

C) Velocity gradient

D) Charge gradient

3. The South American country that suffered due to earthquake in 2010 was

A) Argentina

B) Chile

C) Brazil

D) Libya

4. According to the Economic Survey of India (2007-08), the birth rate in Tamil Nadu state is

A) 16.2

B) 18.4

C) 15.3

D) 10.6

5. The structure observed by Robert Hooke in plant cells was

A) Protoplasm

B) Cell wall

C) Nucleus

D) Tracheids

6. How many pairs of cranial nerves are present in shark fishes?

A) 8

B) 10

C) 12

D) 14

7. When the basis of classification is according to location or place, the classification is called …… classification

A) Quantitative

B) Geographical

C) Qualitative

D) Chronological

8. The oxidation number of Fe in $K_3[Fe(CN)_6]$ is

A) 2

B) 3

C) 1

D) 4

9. The ray which does not affect the photographic plate is

A) Alpha ray

B) Beta ray

C) Gamma ray

D) none of these

10. Who among the following said that Buddha's character and teaching made him 'The Light not of Asia only but of the World'?

A) Sir Edwin Arnold

B) Mrs. Rhys Davids

C) Dr. Radhakrishnan

D) H. G. Wells

11. Cisternae, Thylakoid and Cristae are located at …….., ……. And …….. respectively.

A) Mitochondria, Ribosomes, Chloroplast

B) Golgi body, Chloroplast, Mitochondria

C) Ribosomes, Chloroplast, Mitochondria

D) Chromosomes, Thylakoid, Mitochondria

12. Which of the following is Natural rubber?

A) Polyester

B) Polyamide

C) Polyisoprene

D) Polysaccharide

13. Who is the only Indian and the First non-American head of the Academy of Astronautics (IAA)?

A) Madhavan Nair

B) Dhoni

C) Ravi Sastri

D) Kapil Sibal

14. Who coined the party name 'Indian National Congress'?

A) Ranade

B) Dadabhai Naoroji

C) W. C. Banerjee

D) Gopal Krishna Gokhale

15Data verbalized on a continuum scale like excellent, good, fair and poor are known as

A) Raw data

B) Ratio data

C) Interval data

D) Ordinal data

16. The new agricultural technology can best be described as

A) land augmenting

B) labour augmenting

C) labour displacing

D) both land and labour augmenting

17. Three capacitors each of capacitance 9 pf is connected in series and is connected to 120 V supply. The potential difference across each capacitor is

A) 20 V

B) 40 V

C) 60 V

D) 90 V

18. A can do a piece of work in 80 days. He alone works at it for 20 days and then B alone finished the remaining work in 36 days. In how many days can A and B together complete the work?

A) 25 days

B) 30 days

C) 35 days

D) 40 days

19. The average of 25 results is 18. The average of first twelve of them is 14 and that of last twelve is 17. The thirteenth result is

A) 87

B) 78

C) 67

D) none of these

20. A girl started walking from her house. She first walked for 3 km towards east, then she turned towards north and moved 4 km in that direction. How far is the girls away from her house?

A) 3 km south

B) 3 km north

C) 5 km west

D) 5 km north-east

21. The end product of fermentation of molasses of sugarcane by yeast is

A) Pyruvate

B) Phenol

C) Lactic acid

D) Ethyl alcohol

22. The year ……. Was celebrated by the General Assembly of the UNO as International Year for Human Rights.

A) 1964

B) 1966

C) 1968

D) None of these

23. Who won the latest Presidential elections in Sri Lanka?

A) Sirimavo Bandaranaike

B) Mahindra Rajapakse

C) Kumaratunge

D) Dissanayake

24. The tomb at Sessaran was built by

A) Humayun

B) Sher Shah

C) Akbar

D) Babar

25. The famous leader of Narmada Bachao Andolan is

A) Sunil Agarwal

B) Rajesh Khanna

C) Medha Patkar

D) K. C. Cherian

26. *Species Plantarum* was authored by

A) Hutchinson

B) Carolus Linnaeus

C) Engler and Prantl

D) Bentham and Hooker

27. The yellow colour of urine of the Vertebrates is due to

A) Urochrome

B) Melanin

C) Uric acid

D) Cholesterol

28. The Eleventh Five-Year Plan was implemented during the period

A) 2005-2010

B) 2002-2007

C) 2007-2012

D) 2006-2011

29. Which one among the following South Asian countries has the highest population density?

A) India

B) Pakistan

C) Nepal

D) Sri Lanka

30. Ashoka patronised

A) Jainism

B) Saivism

C) Buddhism

D) Vaishnavism

31. Who among the following computed National Income on the basis of Scientific method?

A) Prof. Mahalanobis

B) Dr. K.N.Raj

C) Dr. V.K.R.V.Rao

D) Dr. Vakil

32. Consider the following statements:

Assertion (A): Surface temperatures of the oceans are controlled by warm and cold currents.

Reason (R): Warm currents raise the temperature whereas cool currents lower down the temperature.

Now select your answer according to the coding scheme given below:

A) Both (A) and (R) are true and (R) is the correct explanation of (A)

B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

C) (A) is true, but (R) is false

D) (A) is false, but (R) is true.

33. Ring or horse shoe shaped coral reefs are called

A) Atoll

B) Barrier reef

C) Fringing reef

D) none of these

34. Match List I with List II correctly and select your answer using the codes given below:

List I	**List II**
a) Glucose	1. Biopolymer
b) Serodiagnosis	2. Reducing sugar
c) Electrophoresis	3. Separation technique
d) Nucleic acid	4. HIV test

A) a2, b4, c3, d1

B) a1, b3, c4, d2

C) a1, b2, c3, d4

D) a4, b3, c2, d1

35. As per RTI the competent authority of Lok Sabha is the

A) Chairman

B) Prime Minister

C) Chief Secretary

D) Speaker

36. Who authored the book 'A Better India A Better World'?

A) N.R.Narayana Murthy

B) Indra Sinha

C) Rajiv Sikri

D) Jaswant Singh

37. A current of 8 A flows through 10 turn coil of a tangent galvanometer having a diameter of 16 cm. The field on the center of the coil is

A) 2.5 A-turn/m

B) 25 A-turn/m

C) 100 A-turn/m

D) 250 A-turn/m

38. Which of the following is wrongly matched?

A) Microsporangial serus - Anther

B) Microspore - Pollen grain

C) Megasporophyll - Ovule

D) Microsporophyll - Stamen

39. Veeranam Project to bring water from Veeranam to madras was started by Chief Minister

A) M.Karunanidhi

B) M.g.Ramachandran

C) Jayalalitha

D) O.Panner Selvam

40. The Indian Post and Telegraph department issued postage stamp in hour of V.O.Chidambaram Pillai in the year

A) 1971

B) 1972

C) 1973

D) 1974

41. Nobel Laureate 2009 in Chemistry is awarded to Venkataraman Ramakrishanan for his work on

A) Hypsochrome

B) Ribosome

C) Chromatogram

D) Auxochrome

42. Fast Breeder Test Reactor is at

A) Trombay

B) Kaiga

C) Kudankulam

D) Kalpakkam

43) Who is the Chairman of 12th Finance Commission?

A) C.Rangarajan

B) K.C.Pant

C) Kelkat

D) Madhavan Ravindra

44. Which of the following Amendment Acts inserted the word 'Secular' in the Preamble of the Constitution of India?

A) 41st Amendment Act, 1976

B) 42nd Amendment Act, 1976

C) 43rd Amendment Act, 1977

D) 44th Amendment Act, 1979

45. The Chairperson and other members of State Human Rights Commission are appointed by the

A) Governor

B) Chief Minister

C) Home Minister

D) none of these

46. Tamil Calendar is based on the movement of

A) Moon

B) Saturn

C) Sun

D) Mars

47. Match List I with List II correctly and select your answer using the codes given below:

List I	**List II**
a) Justice Party	1. Periyar E. V. R
b) Dravida Kazhagam	2. Singaravelu Chettiar
c) Dravida Munnetra Kazhagam	3. T. M. Nair
d) Communist Party	4. C. N. Annadurai

A) a1, b3, c4, d2

B) a4, b1, c3, d2

C) a3, b1, c4, d2

D) a2, b1, c3, d4

48. Tamil Sangam was supposed to be held at

A) Uraiyur

B) Kanchi

C) Madurai

D) Vanji

49. Who was the Prime Minister of India when Tashkent Agreement was signed?

A) Jawarlal Nehru

B) Lal Bahadur Shastri

C) Indira Gandhi

D) Rajiv Gandhi

50. The Constituent Assembly completed its work of constitution making on

A) 16th May, 1946

B) 9th December, 1948

C) 26th November, 1949

D) 26th January, 1950

51. Consider the following statements:

Assertion (A): RBC cells are found in the blood which carry oxygen.

Reason (R): Haemoglobin pigments are involved in carrying the oxygen.

Now select your answer according to the coding scheme given below:

A) Both (A) and (R) are true and (R) is the correct explanation of (A)

B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

C) (A) is true, but (R) is false

D) (A) is false, but (R) is true.

52. Land is a

A) man-made resource

B) non-renewable natural resource

C) renewable natural resource

D) all of these

53. Consider the following statements:

I. Cholesterol is a fertilizer.

II. Protein is amphoteric in nature.

III. Whale myoglobin has disulphide bond.

IV. Entropy of the universe increases.

Of these statements:

A) II alone is correct

B) II and IV are correct

C) III, IV and II are correct

D) All are correct.

54. Emerald Dam is located in

A) Coimbatore

B) Ooty

C) Erode

D) Salem

55. The Eleventh Schedule of the Constitution speaks about

A) functions of the Chief Minister

B) functions of Panchayati Raj

C) duties of District Collector

D) functions of the Parliament

56. Who received the Nobel prize for the work on genes that control the sense of smell?

A) Werner Arber and Daniel Nathans

B) Niels Jerne and Georges Kohler

C) Richard Axel and Linda Buck

D) Konrad Bloch and Feodor Lynen.

57. Opsonin was discovered by

A) Jules Bordet

B) christian Gram

C) Almroth Wright

D) Louis Pasteur

58. The recipient of Dada Saheb Phalke Award during 2005 was

A) Dev Anand

B) Mrinal Sen

C) Lata Mangeshkar

D) Shyam Benegal

59. Which is the best selling book sold over 10 million copies written by Dr.Kenneth Blanchard, the Management Guru?

A) You Can Win

B) Maximum Power

C) One Minute Manager

D) 10 Minute MBA

60. The Rajiv Gandhi Udyami Mitra Yojana was launched in

A) 2006

B) 2007

C) 2008

D) 2009

61. Heliocentric theory according to which sun is supposed to be fixed and the planets go around the sun was proposed by

A) Galileo

B) Newton

C) Ptolemy

D) Copernicus

62. The growth rate of population in India as per 2001 census is

A) 3%

B) 2.50%

C) 1.90%

D) 1.50%

63. Which one of the following is the correct sequence of the given hills from the north to south?

A) Nallamalai, Nilgiris, Javadhi, Anaimalai

B) Anaimalai, Javadi, Nilgiris, Nallamalai

C) Nallamalai, Javadhi, Nilgiris, Anaimalai

D) Anaimalai, Nilgris, Javadhi, Nallamalai.

64. The Annamalai University at Annamalainagar was founded in

A) 1909

B) 1919

C) 1929

D) 1949

65. The focal length of two lenses in contact is given by

A) $F = f_1 - f_2$

B) $F = f_1 f_2$

C) $F = f_1 + f_2$

D) $1/F = 1/f_1 + 1/f_2$

66. Which one of the following statements is correct?

A) Parliament has power to amend any part of the Constitution of India

B) Parliament has no power to amend Fundamental Rights in the Constitution of India

C) Parliament cannot amend the Directive Principles of State Policy

D) Parliament cannot amend the Federal Principles embodied in Constitution of India

67. Which of the following countries is not a member of ASEAN?

A) Vietnam

B) Brunei

C) Bangladesh

D) Myanmar

68. Position effect is the result of

A) translations

B) inversions

C) transcriptions

D) deletions

69. Triple vaccine is administered to a newborn child to immunize it against

A) Whooping Cough, Tetanus and Measles

B) Whooping Cough, Tetanus and Diphtheria

C) tetanus, Diphtheria, Measles and Rubella

D) Tetanus, Diphtheria, Smallpox and Rubella

70. An example of addition co-polymer is

A) Buna-s

B) PVC

C) Neoprene

D) Glyptal

71. Natural gas is a mixture of aliphatic hydrocarbons. What is the main important gas available in that?

A) Oxygen (O_2)

B) Nitrogen (N_2)

C) Methane (CH_4)

D) Carbon dioxide (CO_2)

72. A moving coil galvanometer can be converted into an ammeter by connecting

A) a low resistance in parallel with a galvanometer

B) a high resistance in parallel with a galvanometer a

C) high resistance in series with a galvanometer

D) a low resistance in series with a galvanometer

73. Which one of the following is correctly matched?

A) Right to Equality - Fundamental Duty

B) Right to Information - Transparent and Responsible Government

C) To promote equal justice - Fundamental Right

D) To abide by the Constitution - Directive Principles of State Policy

74. Biodiesel is obtained from which plant?

A) Mango

B) Bamboo

C) Jatropha

D) Ficus

75. The Directive Principles of State Policy is incorporated in the Article…… the Constitution of India.

A) 19-21

B) 14-16

C) 36-51

D) 24-28

76. Rubella virus causes

A) Smallpox

B) Measles

C) Chickenpox

D) Influenza

77. The policy RBI follows for control of inflation is

A) increase in Repo rate and CRR

B) decrease in Repo rate and increase in CRR

C) decrease in Repo rate and CRR

D) decrease in bank rate

78. Which one of the following statements is correct?

A) Finance Commission is constituted by the President every four years

B) Finance Commission has one Chairman and four other members

C) K.C. Pant was the Chairman of 11th Finance Commission

D) Finance Commission Report is submitted to the Planning Commission

79. Dantidurga established which kingdom?

A) Chalukyas of Badami

B) Chalukyas of Kalyani

C) Chalukyas of Vengi

D) Rashtrakuta Dynasty

80. 1/1.2 - 1/2.3 + 1/3.4 - 1/4.5 + … +

A) 2 log 2 -1

B) − 2 log 2 -1

C) 2 log 2 + 1

D) − 2 (log 2 +1)

81. Study of the interrelations between the individual plant and its environment is called

A) Synecology

B) Ecosystem

C) Autecology

D) Biodiversity

82. The ages of Ravi and Raja are in the ratio 5 : 12. After 6 years, the ratio of their ages will be 8 : 15. What is the difference between their ages?

A) 14 years

B) 16 years

C) 12 years

D) 13 years

83. Construction of a dam for drinking water at Hogenekkal is main issue of contention between

A) Tamil Nadu and Kerala

B) Tamil Nadu and Karnataka

C) Tamil Nadu and Andhra Pradesh

D) Karnataka and Kerala

84. Leprosy is caused by

A) Mycobacterium leprae

B) Mycobacterium tuberculosis

C) Corynebacterium diphtheria

D) Varicella zoster

85. Who was the first woman Chief Minister of Tamil Nadu?

A) Janaki Ramachandran

B) Jayalalitha

C) Mamata Banerjee

D) Mayawati

86. Choose the statement(s) connected with Marudhu Brothers.

Marudhu Brothers:

I. Ruled Sivaganga area

II. Siruvayal & Kalayarkovil were their strongholds

III. Took refuge in Panchalam Kurichi

IV. They were executed by the British in 1801.

Of these statements:

A) I alone is correct

B) II alone is correct

C) I, II and IV are correct

D) I, III and IV are correct

87. The National Rural Employment Programme was implemented in Tamil Nadu in the year

A) 1980

B) 1990

C) 1970

D) 1960

88. The famous Ethnobotanist in India is

A) V. M. Meher-Homji

B) R. P. S. Katwal

C) S. K. Jain

D) S. S. Bhojwani

89. The reaction that takes place in a Daniel cell is

A) $Cu + Hg \rightarrow Cu.Hg$

B) $Zn^{\circ} + Cu \rightarrow Zn^{2} + Cu^{\circ}$

C) $Cu^{2}+ + 2Ag \rightarrow Cu^{\circ} + 2Ag^{+}$

D) $3Fe^{2} + Cr^{6+} \rightarrow 3Fe^{3} + Cr^{3+}$

90. SONAR is mostly used by

A) Doctors

B) Engineers

C) Navigators

D) Astronauts

91. Traditions affirm that a Buddhist Council assembled at …….. In the year of Buddha's death

A) Vaisali

B) Pataliputra

C) Saranath

D) Rajagriha

92. What is the correct value of x = cos Θ satisfies $x^2 - 3x + 2 = 0$?

A) 1

B) 0

C) -1

D) π

93. Article 263 deals with provisions with respect to

A) Union Public Service Commission

B) Election Commission of India

C) Inter-State Council

D) Finance Commission.

94. Which of the following is not correctly matched?

A) Central Vigilance Commission - Kripalani Committee

B) Father of All India Services - Sardar Vallabhai Patel

C) Secretary General of Non-Aligned Movement - Dr.Rajendra Prasad

D) Union Public Service Commission - A.M.Khusru.

95. Agricultural holding tax was recommended by

A) John Mathai Committee

B) Bhoothalingam Committee

C) Wanchoo Committee

D) Raj Committee

96. Indira Awas Yojana (IAY) Scheme aimed at

A) Providing loan assistance

B) Providing houses at free of cost

C) Providing transport facilities

D) none of these

97. The LPG (Liberalisation, Privatisation and Globalisation) model of development was introduced in 1991 by the Finance Minister

109. *Satyartha Prakash* was written by

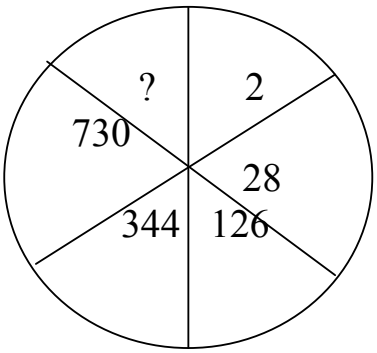
A) Raja Rammohan Roy

B) Debendranath Tagore

C) Keshab Chandra Sen

D) Dayanand Saraswati

110. Find the missing number:



A) 1000

B) 1001

C) 999

D) 1002

111. Consider the following statements:

I. Akbar promulgated Din-i-Ilahi

II. Din-i-Ilahi means Divine Duty

III. Prominent convert to Din-i-Ilahi was Raja Birbal

IV. Din-i-Ilahi discouraged Muslim rites

Of the statements:

A) I alone is correct

B) I and II are correct

C) I, III and IV are correct

D) All are correct.

112. The area of a rectangle is 16 sq. metres and its length is 4 times that of breadth. What is the perimeter of the rectangle?

A) 20 m
B) 18 m

C) 16 m

D) 14 m

113. Which one of the following is true?

A) Devaradiyars were the groups of girls who used to dance before the God during the festivals in the temple

B) Devaradiyars were the attendants in a Sabha

C) Devaradiyars were the chief singers in a village

D) Devaradiyars were the painters

114. In the forest, X can cut 3/10 th of the trees in 50 days. Y can cut 40% of the trees in 40 days and Z can cut 1/2 of the trees in 80 days. Who will complete the work first?

A) X

B) Y

C) Z

D) X and Z

115. The share of road transport in total transport of the country is

A) 20%

B) 40%

C) 60%

D) 80%

116. Prime Minister Employment Generation Programme (PMEGP) was implemented in India by merging the schemes of

A) PMRY and REGP

B) NREP and IRDP

C) IAY and IRDP

D) SFDA and MFAL

117. Which is the correct chronological sequence of the major events given below?

I. SLV-3 Launch

II. Formation of Bangladesh

III. Sikkim becomes 22nd state of Indian territory

IV. Pokhran Test.

A) II - IV - III – I

B) III - I - II – IV

C) II - I - III – IV

D) III - IV - II - I

118. The literacy rate of Tamil Nadu is (as per 2001 census)

A) 80.65

B) 70.45

C) 60.75

D) 73.45

119. The ration of the length and breadth of a plot is 4 : 5. I f the length is 20 m less than the breadth, what is the perimeter of the plot?

A) 180 m

B) 360 m

C) 80 m

D) 100 m

120. Who was the architect of the first Indian Imperial Power?

A) Bindusara

B) Chandragupta Maurya

C) Ashoka

D) Brihadratha

121. The earliest evidence for the democratic election system in Tamil Nadu available in the form of

A) a copper scroll

B) an inscription on stone

C) a painting

D) a literature

122. Variety of dances mentioned in Tolkappiam are

I. Verikkuthu (dance of Velan)

II. Karunkkuthu (dance of the victors)

III. Vallikkuthu (ladies to celebrate victory)

IV. Kalanilaikkuthu (dance by wearing kalal)

A) all are true

B) I and IV are true

C) all are false

D) I and II are true

123. According to the National Human Development Report (NHDR) 2001, Tamil Nadu scored the

A) Seventh Rank

B) Third Rank

C) Fourth Rank

D) Ninth Rank

124. Which party formed ministry in Madras Presidency after the passing Government of India Act of 1935?

A) Swaraj party

B) Justice party

C) Congress party

D) Communist party

125. In the 2009 Parliamentary Elections, DMK won …….. Seats

A) 25

B) 35

C) 40

D) 18

126. The Fort William College at Kolkata was founded in the year

A) 1806

B) 1810

C) 1805

D) 1800

127. India's population as on 1st March, 2001 stood at

A) 1,027 million

B) 1,007 million

C) 1,017 million

D) 1,037 million

128. Number of towns in Tamil Nadu is

A) 832

B) 900

C) 750

D) 500

129. The language which was used in the Ashokan inscription is

A) Hindi

B) Sanskrit

C) Prakrit

D) Telugu

130. The average based on the position of ordered observation is

A)

B) Median

C) Mode

D) Standard Deviation

131. The present Chief Minister of Tamil Nadu Thiru M. Karunanidhi after 2006 Assembly election became the Chief Minister for ……. Time.

A) Sixth

B) Fifth

C) Seventh

D) Fourth

132. Consider the following statements:

I. C. Rajagopalachari was the Chief Minister of Madras State.

II. C. Rajagopalachari was an Advocate.

III. C. Rajagopalachari belonged to Justice Party.

IV. C. Rajagopalachari was the only Indian who became Governor General of India.

A) I alone is correct

B) I and II are correct

C) I, II and IV are correct

D) All are correct.

133. The Tamil Nadu Government seal depicts

A) Srirangam Temple Pagoda

B) Tanjore Big Temple Pagoda

C) Srivilliputhur Temple Pagoda

D) Chidambaram Temple Pagoda

134. Mullai' region is characterised by

A) Forest area

B) Hilly tract

C) Cultivable land

D)Coastal land

135. A Jain cave temple at Chittanavassal is in …… district.

A) Tirunelveli

B) Thanjavur

C) Madurai

D) Pudukottai

136. The Chairman of the Committee on Centre-State Relations, appointed by the Government of Tamil Nadu was

A) Mandal

B) Raj Mannar

C) Sarkaria

D) Shah

137. Consider the following statements:

Assertion (A): The Civil Service is not accountable to the Parliament

Reason (R): It is governed by the norm of anonymity.

A) Both (A) and (R) are true and (R) is the correct explanation of (A)

B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

C) (A) is true, but (R) is false

D) (A) is false, but (R) is true.

138.

$$A = \begin{vmatrix} 1 & i \\ -i & 1 \end{vmatrix} \text{ and } B = \begin{vmatrix} i & -1 \\ -1 & -i \end{vmatrix}$$

A) $\begin{vmatrix} 1 & 0 \\ 0 & 1 \end{vmatrix}$ B) $\begin{vmatrix} i & 0 \\ 0 & i \end{vmatrix}$

C) $\begin{vmatrix} 0 & 0 \\ 0 & 0 \end{vmatrix}$ D) $\begin{vmatrix} -i & 0 \\ 0 & 1 \end{vmatrix}$

139. It is given that $2^{32} + 1$ is completely divisible by a whole number. Which of the following numbers is completely divisible by that number?

A) $2^{16 + 1}$

B) $2^{16 - 1}$

C) 7×2^{33}

D) $2^{96 + 1}$

140. Abhinav Bindra, a gold medal winner in 2008 Beijing Olympics is associated with

A) Football

B) Hockey

C) Cricket

D) Shooting

141. The sides of a triangle are in the ratio of 1/2 : 1/3 : 1/4. If the perimeter is 52 cm, then the length of the smallest side is

A) 9 cm

B) 0 cm

C) 11 cm

D) 12 cm

142. Musical instruments of Sangam age are classified into

I. Torkkaruvi

II. Tulaikkaruvi

III. Narambukkaruvi

IV. Kanchchakkaruvi

Of these

A) I and III are true

B) I, III and IV are true

C) all are true

D) all are false

143. Highest peak in Tamil Nadu is

A) Anaimudi

B) Dodabetta

C) Shevaroy Hills

D) Kodaikanal

144. Pepsin is secreted by

A) Salivary glands

B) Stomach

C) Duodenum

D) Small intestine

145. Which one of the following fertilizers contains maximum percentage of nitrogen?

A) NPK

B) Urea

C) Ammonium nitrate

D) Ammonium phosphate

146. When a ray of light is passed through …… crystal, double refraction occurs.

A) Calcite

B) Sodium chloride

C) Diamond

D) Zinc sulphide

147. Match List I with List II correctly and select your answer using the codes given below:

List I **List II**

a) Karnataka	1. Bababudan Hills
b) Orissa	2. Mayurbhanj
c) Chhattisgarh	3. Bailadila
d) Jharkand	4. Bonai Range

A) a1, b2, c3, d4
B) a2, b1, c3, d4
C) a1, b2, c4, d3
D) a3, b4, c1, d2

148. The socialist pattern of society was first articulated in the
A) First Five-Year Plan
B) Annual plans
C) Second plan
D) Eighth Plan

149. Sir Muhammad Iqbal
A) was Poet and floated the idea of separate state for Muslim
B) belonged to Madras Presidency
C) established Muslim League party
D) organized Aligarh Movement

150. Western Ocean is the ancient name of the
A) Atlantic Ocean
B) Pacific Ocean
C) Indian Ocean
D) Arctic Ocean

151. Which of the following forms the richest ground water province in India?
A) Gondwana Sedimentary province
B) Deccan Trap Province
C) Ganga-Brahmaputra Alluvial province
D) Cenozoic Sedimentary province

152. In which Olympic Games did India last win a gold Medal in the field hockey?
A) Montreal (1976)
B) Moscow (1980)
C) Los Angeles (1984)
D) Atlanta (1996)

153. In India iron-ore deposits are found in

A) Bailadila

B) Tumkur

C) Dharwar

D) Banswara

154. Which Article of the Constitution of India talks about liberty, equality and fraternity?

A) Article 2

B) Article 235

C) Article 243

D) Article 38

155. Unicellular plants and animals showing Eukaaryotic cell structure are included under the kingdom

A) Monera

B) Fungi

C) Plantae

D) Protista

156. Acrosome is made up of

A) Mitochondria

B) Centrioles

C) Golgi bodies

D) Ribosomes

157. In which state is canal irrigation highly used?

A) Gujarat

B) Orissa

C) Uttar Pradesh

D) Haryana

158. The Atomic station which has the highest capacity (MV) is

A) Kaiga, Karnataka

B) Kota, Rajasthan

C) Kudankulam,Tamil Nadu

D) Tarapur, Maharashtra

159. As per RBI stipulation domestic banks are required to provide…….per cent of their net bank credit to priority sector

A) 32

B) 40

C) 10

D) 25

160. The Madras Native Association was started in

A) 1852

B) 1884

C) 1885

D) 1887

161. Consider the following statements:

Assertion (A): Increased spending on civil administration and defence expenditure in India's national income is an unwelcome feature.

Reason (R) : The contribution of these sectors does not generate durable income yielding assets to the country.

Now select your answer according to the coding scheme given below:

A) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

B) Both (A) and (R) are true and (R) is the correct explanation of (A)

C) (A) and (R) are false

D) (A) is true, but (R) is false

162. Three men start walking at the same point, same time and in the same direction around a circular stadium. First man completes round in 120 seconds, second man in 150 seconds and third man in 80 seconds. After what time will they meet again at the starting point?

A) 20 minutes

B) 2 min. 20sec.

C) 2 min. 30 sec.

D) 1 min. 40. sec.

163. World Tamil Classical Conference is scheduled to be held at

A) Chennai

B) Thiruchchirappalli

C) Vellore

D) Coimbatore

164. Which district in Tamil Nadu is with large forest?

A) Madurai

B) Kannaiyakumari

C) Salem

D) Nilgiris

165. Consider the following statements:

Assertion (A): Public participated in the political life during early Vedic period.

Reason (R): Sabha and Samiti discussed matters of public importance.

Now select your answer according to the coding scheme given below:

A) Both (A) and (R) are true and (R) is the correct explanation of (A)

B) Both (A) and (R) are false

C) (A) is true, but (R) is false

D) (A) is false, but (R) is true.

166. Which Article accords special status to Jammu and Kashmir?

A) Article 350

B) Article 356

C) Article 370

D) Article 352

167. Consider the following statements:

Assertion (A): Tsunamis are produced by sudden movements of earth's crust or earthquakes.

Reason (R): These seismic sea waves are often incorrectly called tidal waves.

Now select your answer according to the coding scheme given below:

A) Both (A) and (R) are true and (R) is the correct explanation of (A)

B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

C) (A) is true, but (R) is false

D) (A) is false, but (R) is true.

168. …… won Padma Bhusan Award for Art (Tamil Nadu) in 2009.

A) Chitra Visweswaran

B) A. R. Rahman

C) Y. G. Parthasarathy

D) Shri V. P. Dhanajayan & Smt. Shanta Dhanajayan

169. Badruddin Tyabji was associated with

A) President of the First Session of the Congress Party held at Bombay in 1885

B) President of the Second Session of the Congress Party held at Calcutta in 1886

C) President of the Third Session of the Congress Party held at Madras in 1887

D) none of these

170. Which one of the following is correctly matched?

Categories

I. Mountains

II. Plateaus

III. Plains

IV. Hills

% of area (India)

1. 10.6

2. 27.7

3. 43.2

4. 18.5

A) I alone is correct

B) I and II are correct

C) I, II and III are correct

D) All are correct.

171. Which of the following is correctly matched?

A) Napenthes – Stoneworts

B) Drosera – Hornworts

C) Utricularia - Pitcher plant

D) Dionea - Venus-fly trap

172. The Constitutional recognition to urban local government became a reality through

A) 73rd Amendment, 11th Schedule, 1992

B) 74th Amendment, 12th Schedule, 1992

C) 73rd Amendment, 11th Schedule, 1993

D) 74th Amendment, 12th Schedule, 1993

173. Who was chiefly responsible for the partition of Bengal?

A) Wellesley

B) Ripon

C) Curzon

D) Chelmsford

174. Consider the following:

Statements: Some cars are bikes.

No bike is train.

Conclusions: I. No car is train.

II. No bike is car

III. Some cars are trains.

IV. Some bikes are cars.

197. Who presented Union Budget 2009-2010 in the Parliament?

A) Chidambaram

B) Pranab Mukerjee

C) Manmohan Singh

D) Arjun Singh

198. Who among the following was not a member of the Justice Party?

A) Pitty Theogaraya Chetty

B) Raja of Panagal

C) T. M. Nair

D) Rajagopalachari

199. The recipient of Nehru award in 1995 is

A) Julius Namrai

B) Aruna Asaf Ali

C) Dr. Bruno Kreisky

D) Md. Hosni Mubarak

200. Barak Hussein Obama became the 44th President of the USA in the year

A) 2007

B) 2008

C) 2010

D) 2009