

GROUP-I EXAM-23-12-2007 KEYS

BOOKLET SERIES D

QUESTIONS BREAK-UP TO RECEIVE FREE SMS ALERT SEND SMS TO 98404-33955.

1) History	48
2) Science-	42
3) TN, GK & Current Affairs	33
4) Geography-	31
5) Maths & Comp Science	21
6) Polity	16
7) Economics	9
TOTAL =	200

Expected Cut off to Clear GROUP-I Prelims

133 ± 3 Questions for BOYS; 130 ± 3 Questions for GIRLS

NOTE THAT TNPSC ANSWERS MAY DIFFER

- 1) Which of the following is incorrectly matched?
Ans: C : Right to protection of life and liberty – Art.22
2. How many times the preamble of the Constitution of India has been amended? Ans: A: Once
3. Ans: B
 - a) Modernisation of civil service - Cornwallis
 - b) Recruitment of civil servants - Macaulay
 - c) Training of civil servants - Wellesley
 - d) Classification of civil service - Atkinson
4. The strength of Legislative Council members shall not be less than Ans: C : 40
5. The emergency provisions of the Constitution of India was borrowed from
Ans: D : Weimar Constitution of Germany
Note: If it is borrowed from Govt of India Act 1935, then 2/3rd of constitution derived from GOI-1935.
6. Indian Federalism is
Ans: A; Centralised Federation
(Or) D: None of these (Quasi Federation)
7. The final work of UPSC in recruitment process is
Ans: C: Certification
8. Directive Principles of State Policy were incorporated in the Constitution with a view to
Ans: B : establish Welfare State
9. Panchayat Raj institutions depend for funds mainly on
Ans: C : Government finances
10. In which year for the first time was no-confidence motion moved in the Parliament? Ans: B: 1963
The **first no-confidence motion** in the history of Lok Sabha was moved by socialist Acharya Kriplani against Jawahar Lal Nehru in August of **1963**. ...
11. The population of Tamil Nadu was (as per 2001 census)
Ans: A – 62.4 million
12. In Literacy among the all states in India, Tamil Nadu occupies which position? Ans: B – Seventh position
13. Which committee has recommended the establishment of National Co-operative Bank of India?
Ans: C : A M Khusru Committee
14. The RBI was inaugurated in April 1935 with a share capital of Ans: B – 5 crores
15. The UTI was formally established in
Ans: B – February, 1964

16. The Million Wells Scheme was launched as a sub-scheme for
Ans: C – National Rural Employment Programme
17. Dr. L.C. Gupta Committee was appointed to look into the working of
Ans: A – Stock exchange
18. Under which Provision of the Article of the Constitution, the President is required to appoint Finance Commission? Ans: B – Article 280
19. The industrial tribunals are consisted of a person of the rank of Ans: D- Sessions court Judge
20. The older large scale industry in India is
Ans: A – Iron and Steel industry (SOURCE: SCHOOL TEXT)
(or) **Could be Cotton Textile Industry**
21. Pituitary gland is situated in Ans: C – the base of the brain
22. Red colour to the blood is given by Ans: A - haemoglobin
23. Sexual characters in female are controlled by
Ans: B - Estrogen
24. A cross between hybrid and either of any parent (dominant or recessive) is called
Ans: B – Back cross
25. Identical twins are produced when
Ans: C – one fertilized egg is divided into two blastomers and separated.
26. In human 47 number of chromosomes (22A + XXY) is resulted in Ans: B – Klinefelter's syndrome
27. Which vaccine should be given to the newborn within 15 days of birth? Ans: A – 'O' Polio
28. Ans: B
 - a) A, B, O blood group - Multiple alleles
 - b) Bald head in man - Sex influenced genes
 - c) Sickle cell anaemia - Example for point mutation
 - d) Independent assortment – Dihybrid cross
29. Consider the following statements:
ADH is secreted by adenohipophysis
ADH is secreted by infundibulum
ADH is secreted by neurohipophysis
ADH is secreted by pineal gland
Ans: C – (iii) alone correct
30. Consider the following statements:
Assertion(A): The sperm contains centriole in the neck
Reason (R): Centrioles are important for sperm count.

- Ans: A – Both are false.
31. The Controller of Insurance is at present
Ans: D – Chairman, IRDA
32. At present the expenditure on Government (both Central and State) as a percentage of GDP is Ans: C – 24%
(Source: Twelfth finance commission)
33. The sex ratio of India as per 2001 Census was
Ans: C - 933
34. The state which has the lowest record of Infant Mortality Rate is Ans: C - Kerala
35. ----- was Hindu religious leader
Ans: A - vivekananda
36. Which is the International Year of Rice? Ans: C - 2004
37. The found of the Newspaper, 'The Hindu' was
Ans: A - S.. Subramania Iyer
38. Which of the following countries of the European Union has not adopted the single currency Euro? Ans: B – U.K.
39. Who has written the book "Big Egos, Small Men" ?
Ans: B - RamJethmalani
40. 93rd Constitutional Amendment deals with
Ans: D – Reservation in Higher Education
41. Ans: A –
a) Executive authority of the President – Article 53
b) Tenure of the President - Article 56
c) Election of the President - Article 54
d) Impeachment of the President - Article 61
42. Arrange the following items in chronological order:
Ans: A – CBI, ESMA, SSC, CAT
43. Ans: C
a) Union List - Defence
b) State List - Public order and police
c) Concurrent List - Criminal Law and procedure
44. New Education Scheme 10 + 2+ 3 was introduced by
Ans: B – CONGRESS
In Tamil nadu during ADMK rule
45. In which year was South Indian Liberal Federation formed? Ans: C - 1916
46. In the year 1974, which of the following Governments passed state autonomy resolution? Ans: D: Tamil Nadu
47. The total strength of Rajya Sabha in Tamil Nadu is
Ans: D - 18
48. Who was introduced the Kulakallavi Scheme in Tamil Nadu? Ans: A – Rajaji
49. How many reserved Parliamentary constituencies are there in Tamil Nadu? Ans: D – None of these **ANS: 7**
Rasipuram, Thenkasi, Sriperumbudhur, Perambalur Chidambaram, Pollachi and Vandavasi.
50. In the year 1926 Ans: D – None of these
51. What were the animals found in the most of the ancient forts for protection? Ans: D - Crocodile
52. Where is the Veterinary University in Tamil Nadu located? Ans: D - Chennai
53. Parambikulam project is located in ----- district
Ans: B - COIMBATORE
54. Tuticorin is famous for Ans :A–Spic Fertilizer Industry
55. Gokula Krishnan Commission was appointed to probe into Ans: B – Coimbatore blast
56. The first Tamil Nadu Chief Minister to be awarded Bharat Ratna is Ans: C – C. Rajagopalachari
57. The Pykara Scheme of Tamil Nadu is in ----- district.
Ans: C – Nilgiri

58. Which Tamil nationalist published a literary magazine called "Bala Bharathi"? Ans: VVS IYER
59. Ans: B
a) Pattinapakkam - The residential area
b) Maruvurpakkam - Coastal area with its harbour
c) Nalangadi -The morning bazaar
d) Allangadi - The evening bazar
60. Who assassinated Ashe, the District Collector of Tirunelveli? Ans: B – Vanchi Iyer
61. Ans: A
a) Kant - climatic classification
b) Thornthwaite - cycle of erosion
c) Whittlesey - origin of the earth
d) Penck - agricultural typology
62. Consider the following statements:
Assertion (A) : Tea and coffee are both grown in the Nilgiri hills.
Reason (R) : Both crops need similar condition for growth
Ans: C – (A) is true, but (R) is false
63. Which National Highway connects Agra and Mumbai?
Ans: C – NH 3
64. International Literacy Day is celebrated on
Ans: B – September 8
65. The oldest oil refinery of India is Ans: B - Digboi
66. Tidal Park in Chennai was formed by TIDCO and ----
Ans: A – Elcot
67. Theni district was bifurcated from Madurai on
Ans: B – 1997
68. Ans: B, **ALL THE OPTIONS ARE INCORRECT**
a) Vedanthangal - Kancheepuram
b) Kalakadu - Tirunelveli
c) Mukurthi - Nilgiri
d) Vadur - Tanjore
69. Dharmapuri district is known for in Tamil Nadu
Ans: A - GRANITE
70. Which is the South Indian Oxford of Tamil Nadu?
Ans: C - Tirunelveli
71. The Green Revolution came on the scene around
Ans: mid 1960
72. Demographic pressure acts as a push factor in
Ans: A - migration
73. Dr. Raja J. Chelliah Tax Reforms Committee was set up in
Ans: C – August, 1991
74. When was the New Industrial Policy announced?
Ans: A – July, 1991
75. The incidence of poverty can be computed from
Ans: B – NSS data on consumption of expenditure
76. The World Conference on Human Environment was held on
Ans: B - 1972
77. The Central Pollution Control Board was set up in the year. **All options are incorrect-1974 Correct**
78. The Wild Life Protection Act was formulated in the year
Ans: B - 1972
79. In Tamil Nadu, the district with highest density of population is (as per 2001 Census)
Ans: A- KANYAKUMARI
80. In population among the all states in India, Tamil Nadu occupies the
Ans: A - sixth position
81. Which one of the following is correctly matched?
Ans: B – Chronological classification – Time series data

82. Which one of the following is correctly matched?
Ans: D – EXCEL – Tabulation
83. Ans: D
a) Respondents - Person giving information
b) Primary data - First hand information
c) Enumerator - Person collecting information
d) Census - Collection of data
84. If $P(A) = 0.6$ and $P(B) = 0.5$, then which one of the following is correct?
Ans: B – A and B are not mutually exclusive events
85. How many prime numbers are there in between 10 and 30? Ans: D - 6
86. In computers, 1 KB and 1 MB are respectively equal to
Ans: B – 1024 bytes and 1000 kilobytes
87. The sum of the ages of A and B is now 110 years and their ages 20 years ago were in the ratio of 4:3. The age of A is Ans: A - 60
88. If $x = \frac{1}{4}y$ and $Y = \frac{1}{5}z$ then $x : y : z$ is equal to
Ans: D - 1 : 4 : 20
89. The students in three classes are in the ratio 2 : 3 : 5. If 40 student are increased in each class, the ratio changes to 4 : 5 : 7 . Originally, the total number of students was.
Ans: 200
90. Which one of the following is correctly matched?
Ans: C – $A+B =$ Expression
91. Semiconducting property of silicon is due to
Ans: C; WIDE BAND GAP
92. Light from the sun reaches the earth in
Ans: 8 minute
93. Which of the following is used in electric heaters and irons? Ans: D – Nichrome
94. Which one of the following instruments is used to measure the speed of water through a pipe?
Ans: D - Venturimeter
95. The distance of stars is measured by the unit
Ans: C – light year
96. Theory of relativity was proposed by which one of the following scientists in the year 1905?
Ans: D - Einstein
97. The moderator used in the nuclear reactor at Madras atomic power station in Kalpakkam is
Ans: D – none of these
NO MODERATOR IS USED IN FAST BREEDER REACTOR
98. Radio carbon in nature is produced as a result of
Ans: C – the action of cosmic rays on earth's atmospheric nitrogen
99. The speed of sound is higher in which one of the following mediums? Ans: B – Solids
100. The huge amount of energy released in nuclear fission and fusion reactions is due to the conversion of
Ans: C – mass into energy, according to Einstein's equation
101. Which of the following is the chief component of fungal cell wall?
Ans: A: Mucopolysaccharide
102. Which of the following is correctly matched?
Ans: D – ALL OF THESE
103. Natural lipids are readily soluble in
Ans: D-NONE OF THESE
104. The number of ATP molecules yielded from 2NADH_2 molecule is Ans: C-6
105. Consider the following statements:

Assertion: (A) : Nitrogen plays an important role in growth, metabolism, heredity and respiration.

Reason (R) : It suppressed formation of flowers.

Ans: C – (A) is true, but (R) is false

106. Consider the following statements:

Assertion (A) : The primary physiological effects to auxin in plants is to stimulate the 'elongation of cells in shoots'.
Reason (R) : Dormancy of buds can be broken by auxin treatment.

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

107. Consider the following statements:

Assertion (A) : Green vegetables, soybean oil, tomatoes etc. are chief sources of Vitamin K.

Reason (R) : Vitamin K prevents erosion of the skin in higher animals.

Ans: C – (A) is true, but (R) is false

108. The cell responsible for fixing atmospheric nitrogen in blue green algae is Ans: B- Heterocysts

109. The synthesis of glucose from fat is called

Ans: C - Gluconeogenesis

110. Which one of the following is not correctly matched? Ans: D – Vitamin'D' – Water soluble

111. The iqtadari system was introduced by

Ans: C - Iltutmish

112. Which of the following is wrongly matched?

Ans: B –Paleolithic Period- Wandering life

(Or) D-Chalcolithic Period- Food Producing Stage

113. Which one of the following does not belong to the "Three Ratnas" of Jainism?

Ans: B – Meditation

114. Who of the following attended all the three Round Table Conferences? Ans: A – B.R. Ambedkar

115. Which stories were explained in Ajanta Paintings?

Ans: D – Jataka stories

116. Identify the correct order in which Europeans came to India. Ans: A – Portuguese, Dutch, English, French

117. Ans: B

a) Sadharmapundarika - conduct

b) Vajrachedika - metaphysics

c) Sukhavati vyuha - heaven

d) Karanda vyuha - divine grace

118. Consider the following statements:

Assertion: (A) :Buddhism does not accept the theory of Karma .

Reason (R) : It does not accept the existence of permanent self

Ans: D – (A) is false, but (R) is true

119. Kamalambal Charitram was written by

Ans: C – Rajam Iyer

120. Manimekalai was written by

Ans: D – Sittalai Sattanar

121. Credit for starting Space Science Research in India goes to Ans: B – V. Sarabhai

122. Consider the following statements:

Assertion: (A) :The space shuttle in which Kalpana Chawla, the Indian born American Scientist travelled,

when reentered into the Earth Atmosphere was burnt

Reason (R) : The space shuttle had the nose cap (made of ceramics) damaged.

Ans: C- (A) and (R) are correct, and (R) is the correct explanation.

123. Which of the following is not correct?
Mixing of alcohol with petrol
Ans: D – prevents the possibility of adulteration.
124. Uranium enrichment is concerned with
Ans: C - Iran
125. The plant which possesses anticancerous activity is
Ans: A- Seetha
126. The marine algae commercially exploited for the production of 'agar' is
Ans: B-GRACILARIA
127. In India AIDS was first reported in
Ans: B - 1986
128. Biologists celebrate every year 5th June as
Ans: B – World Environment Day
129. Which of the following diagrams correctly represents elephants, dogs and animals?
Ans: A
130. If $a = b^x$, $b = c^y$, $c = a^z$ then xyz is equal to
Ans: 1
131. -----was the primary food of the Indus Valley people.
Ans: B - Wheat
132. The earliest mention of medicine occurs in which of the following Vedas?
Ans: A; Rig veda
133. Ashrams or four stages of life came to be well established during which period?
Ans: C – Later Vedic period
134. What does the Rig Veda contain?
Ans: A – Collection of prayers
135. Which among the following geographical areas was not inhabited by the early Aryans?
Ans: A – Baluchistan
136. The root cause for all sufferings of mankind according to the preaching of Buddha is
Ans: D - desire
137. The basic social organisation of the Rigvedic people was
Ans: B – Patriarchal family
138. Sangam literature was written in
Ans: B - Tamil
139. "Mandiram Avathu Neeru" the song was written by
Ans: Gnana Sambandar
140. The Pallava rulers believed in
Ans: D - Shaivism
141. Which was the port town of the Indus Valley Civilization?
Ans: A - Lothal
142. The main focus of the Rig Vedic culture was
Ans: b) the Punjab and Delhi Region
143. Consider the following statements:
Assertion: (A) : Curzon partitioned Bengal in 1905
Reason (R) : He wanted to destroy nationalistic unity.
Ans: A - Both (A) and (R) are correct and (R) is the correct explanation of (A)
144. Consider the following statements:
Assertion: (A): Hiuen Tsang came India during Harsha's rule
Reason (R) :His main objective was to visit Buddhist shrines.
Ans: A - Both (A) and (R) are correct and (R) is the correct explanation of (A)
145. Who wrote 'Ananda Math'?
Ans: B – Bankim Chandra Chattopadhyaya
146. Ans: B
a) George Yule - Allahabad, 1888
b) Dr. R.C. Dutta - Lucknow, 1899
c) Annie Besant - Calcutta , 1917
d) Sarojini Naidu - Kanpur, 1928
147. The British received permission to establish their company in India from
Ans: B - Jahangir
148. When did the 'Chauri Chaura' incident take place?
Ans: C - 1922
149. During the Sangam Age, war was usually declared or provoked by
Ans: B – Lifting the cattle of the enemy
150. When was the Madras Mahajana Sabha formed?
Ans: C - 1884
151. What is the correct expansion of the abbreviation of WTO?
Ans: B – World Trade Organisation
152. The important parts during the Sangam Age were?
Ans: C – (i) (iii) and (v)
153. At present the maximum strength of Lok Sabha is
Ans: A - 545 members
154. Human Rights Day is observed on
Ans: D - December 10th
155. In which of the following places three oceans merge together?
Ans: C - Kaniyakumari
156. Ans: D
a) Bharat Heavy Electricals - Trichy
b) Defence Research Laboratory – Hyderabad
c) Indian Space Research Organisation – Bangalore
d) Atomic Power Plant – Kalakkam
157. Which of the following is not situated in Tuticorin?
Ans: C – Nuclear power Station
158. Which of the following is not related to Neyveli?
Ans: A - Coal
159. Ans: C
a) Banana tree - Festival purpose
b) Acacia tree – Fuel purpose
c) Teak tree – Timber purpose
d) Polyalthia tree – ornamental purpose
160. Traditional medicinal plant used for the treatment of 'Jaundice' in Tamil Nadu is
Ans: D - Keelanalli
161. Which part of the Himalayas has the maximum stretch from east to west?
Ans: D; NEPAL Himalayas
162. Consider the following statements:
Assertion (A) : Soils in humid tropical regions lack humus.
Reason (R) : Heavy precipitation causes leaching of humus.
Ans: B – (A) is True, but (R) is correct but not correct explanation
163. Which of the following river flows between the Satpuras and the Vindhyas?
Ans: D - Narmada
164. The boundary between Germany and Poland is called
Ans: A – Hindeberg Line
165. Ahmedabad town is located on the river
Ans: A - Sabarmati
166. The term 'NIFE' refers to
Ans: B – Core of the earth
167. The length of India's coast line is about
Ans: A: 7516.6 km
168. What is meant by 'reserved forest'?
Ans: C – A forest reserved for commercial exploitation with restrictions on grazing
169. Arrange the states in ascending order in terms of sex ratio (2001);
ALL OPTIONS IN THIS ARE INCORRECT:
Ans: (Sikkim, Rajasthan Tripura, Uttaranchal)
170. Arrange the following states in descending order on the basis of area:
Ans: A – (Andhra Pradesh, Gujarat, Bihar, Assam)

171. Drinking soda is Ans: D - Acidic
172. Which of the following is found in Kidney stone?
Ans: B – Calcium oxalate
173. Which of the following is a laughing gas?
Ans: C – Nitrous oxide
174. Coating of zinc over iron article is known as
Ans: A - Galvanisation
175. Tincture of iodine is
Ans: C – Iodine and Potassium iodide
176. The protein content is of the order
Ans: A – Soyabean > egg yolk > rice
177. Which one of the following is correctly matched?
Ans: B – Liquid silver – Mercury
178. Which one of the following is correctly matched?
Ans: D – Soluble form of Carbon
179. Ans: D
- a) Lead tetraethyl - Anti knocking agent
b) Liquid hydrogen – Rocket fuel
c) Hydrogen peroxide – Bleaching agent
d) Carbon dioxide – Global warming
180. Consider the following statements:
Assertion (A) : Silver articles on exposure to air become black.
Reason (R) : Silver is oxidised to silver oxide.
Ans:
TAMIL NADU TEXT BOOK: A - Both (A) and (R) are correct and (R) is the correct explanation of (A)
NCERT: A IS CORRECT & R IS INCORRECT BECAUSE IT IS HYDROGEN SULPHIDE
181. What is the sum of all prime numbers between 100 and 120? Ans: B - 533
182. The smallest number which when diminished by 3 is divisible by 21, 28, 36 and 45 is
Ans: 1263
183. The ratio of three numbers is 35 : 55: 77 and their HCF is 24 . Then the numbers are
Ans: 840, 1320, 1848
184. There are 60 students in a class. In an examination 75% of them had failed in English and 45% of them had failed in Science. How many had failed both in English and Science?
Ans: 12
185. The average of the first five prime numbers is
Ans: C – 5.6
186. A sum amounts to Rs.1,352 in 2 years at 4% compound interest. The sum is
Ans: C – Rs.1,250
187. The speed of a boat in still water is 15 km/hr and the speed of current is 3 km/hr . The distance travelled downstream in 12 minutes is
Ans: A – 3.6 KM
188. Gold is 19 times as heavy as water and copper is 9 times as heavy as water. The ratio, in which the two metals should be mixed, so that the mixture is 15 times as heavy as water, is Ans: **3 :2**
189. If 3 men and 4 boys can do a work in 8 days while 4 men and 4 boys can do that work in 6 days, then 2 men and 4 boys will finish it in
Ans: **12 Days**
190. If same patterns of operations are followed in all the three diagrams given below, then the missing number is Ans: C: 262

191. Kulothunga II was also called
Ans: C: Kirumikanta Cholan
192. Which one of the following is not known to Mesopotamian civilization? Ans: D - Iron
193. The pottery of Indus Valley Civilization is
Ans: D – Black and red ware.
194. Who was the founder of Navavidhan Samaj?
Ans: C – Keshav Chandra Sen
195. Who was the first Director of Archaeology?
Ans: B – Alexander Cunningham
196. Iron was first introduced in India by
Ans: A; Aryans
197. Who was the first Indian, elected for the British Parliament?
Ans: A – Dadabhai Naoroji
198. The Indus Valley Civilization was specialised in
Ans: D - All of these
199. Which God was worshipped by the Indus Valley people?
Ans: D - None of them
200. The Indus Valley people imported from abroad
Ans: C-SILVER

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