

To receive Daily FREE GK SMS Alerts, sms **START RADIANTNPSC CHENNAI** to **9900145368**.

TNPSC GROUP-2 (CSSE-1) EXAM GK + GENERAL ENGLISH Keys 22 Mar 2009

NEW MONTHLY MAGAZINE "GK-RADIAN" / "GK-கேரடியன்" (Rs.20/-)

Read our New Bilingual Monthly Magazine "GK-RADIAN" / "GK-கேரடியன்" (In Tamil and English Medium) which will be published from Next Week, that is from April-2009. The First Issue will be available across Tamil Nadu in the First Week April.

APRIL 2009 Issue: GROUP-I Special + Complete Analysis and Detailed Solutions with Explanations to all options + Current Affairs for the Period of 2007-2008 + Philosophy.

RADIAN IAS ACADEMY

HO: 711 PH Road, Opp. ANNA ARCH, NSK NAGAR, CHENNAI-106

www.radiannews.pbwiki.com / www.radianiasacademy.in

CHENNAI: 98404-00825/92832-48488/98404-33955

NELLAI:94427-68933 MADURAI: 93441-00065 TRICHY:94449-54954 KOVAI:99520-12895

EXPECTED CUT-OFF QUESTIONS

Expected Cut off Qns for **INTERVIEW: MALES: 161 + (or) - 3 Questions** out of 200 questions.

FEMALES: 158 + (or) - 3 Questions out of 200 questions.

FOR SURE GROUP-2 POST MALES: 165 + (or) - 3 Questions out of 200 questions.

FEMALES: 163 + (or) - 3 Questions out of 200 questions

For the Post of **A.S.O. :** **MALES: 175 + (or) - 3 FEMALES: 172 + (or) - 3.**

INTERVIEW (ORAL TEST) Marks is also going to be the Deciding Factor.

GROUP-I PRELIMS MODEL TEST PRIZE: RS. 10,000/-

At CHENNAI, TRICHY, MADURAI & NELLAI.

Top Ten Aspirants (Marks) get Rs.1,000/- Each. (Outsiders Reg. Fee:Rs.200/- Only)

Mar 29th (Sun): 9.30 AM. Details: 92832-48488 / 98404-00825.

Intensive CRASH Course for GROUP-1 on Week-Ends.

GROUP-I Materials by Post : Tamil & English Medium + Classes CD's.

GENERAL KNOWLEDGE

BOOKLET SERIES – (A)

For the first time in this GROUP-2 Exam, Many Questions are taken outside the conventional TAMIL NADU TEXT BOOKS. Now NCERT books are also a Source.(WELCOME STEP) The SAME TREND can be expected in GROUP-I Exam Also. Concentrate on **INDIAN PHILOSOPHY, MATHS & STATISTICS** for GROUP-I Exam.

- | | |
|---|---|
| <p>1) (c) $K.E = (1/2) MV^2$, therefore whenever 'v' becomes '2v', KE becomes 4 times.</p> <p>2) (c) Zero</p> <p>3) (b) Michael Faraday</p> <p>4) (c) Therefore the top most point in any plug point is larger in size to allow faster passage of current in case of short circuit.</p> <p>5) (a) is lowered.</p> <p>6) (d) DNA is made up of building blocks called nucleotides</p> <p>7) (a) Oxidation. The formation of rust is a very complex process which is thought to begin with the oxidation of iron to ferrous (iron "+2") ions.
$Fe \rightarrow Fe^{+2} + 2e^{-}$</p> | <p>8) (a) a-1 b-3 c-2 d-4</p> <p>9) (d) Carbon dioxide and water form carbonic acid. Alkaline salts such as sodium bicarbonate are added to soda water to decrease the acidity. In fact it is slightly basic.</p> <p>10) (b) Enriched uranium is a kind of uranium in which the percent composition of uranium-235 has been increased through the process of isotope separation. <i>Natural</i> uranium (or NU) is 99.284% ^{238}U isotope, with ^{235}U only constituting about 0.711% of its weight. ^{235}U is the only isotope existing in nature (in any appreciable amount) that is fissionable by thermal neutrons.</p> <p>11) (c) Glycolysis is the metabolic pathway that converts glucose, $C_6H_{12}O_6$, into pyruvate, $C_3H_5O_3$. The free energy released in this process is used to form the high</p> |
|---|---|

energy compounds, ATP (adenosine triphosphate) and NADH (reduced nicotinamide adenine dinucleotide).

- 12)** (c) Huxley
13) (b) A molecule which contains high energy phosphate bonds.
14) (a) Stomata
15) (a) Lactic Acid (NCERT Book)
16) (d) All of these.
17) (b) Anti-Coagulant.
18) (b) 9:3:3:1
19) (c) 1st December
20) (c) (i) and (iv) (Careful: Choose the Incorrect one)
21) (d) Eucalyptus
22) (c) Russia
23) (b) Neyveli

- 24)** (a) Vasectomy
25) (a) **1,94,481.** $1,76,400 + 8,820 = 1,85,220;$
 $1,85,220 + 9,261 = 1,94,481$
26) (a) January 17, 2001.
27) (c) 1991
28) (a) January 25, 2001
29) (c) Mohammad Shafi Qureshi
30) (b) Veerappa Moili
31) (b) Sudesamithran
32) (c) V.O. Chidambaranar
33) (b) 2006
34) (c) Bharathidasan
35) (c) Germany
36) (c) 2 1 4 3

GROUP-I PRELIMS MODEL TEST PRIZE RS. 10,000/-

At CHENNAI, TRICHY, MADURAI & NELLAI.

Top Ten Aspirants (Marks) get Rs.1,000/- Each.

Mar 29th (Sun): 9.30 AM. Details: 92832-48488 / 98404-00825.

Intensive CRASH Course for GROUP-1 on Week-Ends.

GROUP-I Materials by Post : Tamil & English Medium + Classes CD's.

- 37)** (a) Sri Perambudur.
38) (c) Kalaimamani Award
39) (d) H.A.Krishnapillai
40) (c) Kavadi Attam
41) (c) Jharkhand
42) (b) Western Ghats
43) (d) Erode
44) (a) Tirunelveli
45) (a) Both (A) and (B) are true and (R) is the correct explanation of (A).
46) (d) 4 1 2 3
47) (a) The direction in which water currents move depends on winds and the earth's spin.
48) (c) Southern Ocean
49) (a) 29th October 1999.
50) (c) Tsunami
51) (d) Samudragupta
52) (a) 6th Century BC
53) (c) Vardhamana
54) (a) Carvaka
55) (c) Number
56) (b) Dayanand Saraswati
57) (d) Pancha Bheda
58) (b) Manikkavasagar is called as Thiruvadhavoor Munivar.
59) (a) **Four saints. (Authors of Devaram and Thirukkural).**
60) (b) Ayurveda
61) (b) a historical introduction to an inscription.
62) (a) Latin and Greek words.
63) (c) Comte
64) (c) Pallavas
65) (c) Family system
66) (a) Jawaharlal Nehru

- 67)** (a) Direct Election
68) (b) Nehru
69) (d) Ireland
70) (d) the Prime Minister and approved by the Cabinet.
71) (d) **42nd Amendment (But the Correct Answer is 24th Amendment)**
72) (a) procedures established by law.
73) (b) the President can reduce the salaries of state civil servants including those of the judges of the High Court.
74) (d) Bihar.
75) (c) 1944
76) (a) Infant Mortality Rate
77) (d) inadequate productive capacity
78) (a) Lakdawala Committee
79) (a) 62.4 Million
80) (c) (i) and (iii) are correct.
81) (a) Luca Pacciola
82) (b) **Branch Banking.** But some may argue for Mixed Banking system.
83) (b) Rs.1,50,000.
84) (c) Import of goods for re-export
85) (c) 1969
86) (b) Civil disobedience movement
87) (b) Kalki
88) (b) to examine Centre-State relation
89) (c) C. Rajagopalachari
90) (d) Ettayapuram
91) (a) Total Sum of first 6 numbers = $58 \times 6 = 348$. → **1**
 Total sum of last 6 numbers = $63 \times 6 = 378$. → **2**
 $\text{①} + \text{②} = 726$ → **3**
 Total num of all 11 numbers = $11 \times 60 = 660$ → **4**
 The value of sixth number = $\text{③} - \text{④} = 66$

- 92)**(d) Their present ages are $3x$ and $4x$.
TEN YEARS AGO
 $A/B = (3x-10)/(4x-10) = 1/2$
 Therefore $x=5$, So their present ages = $7x = 35$.
- 93)**(c) Population = 1800
 First year 10% increase = $18,000 + 1,800 = 19,800$
 Second year 20% increase = $19,800 + 1,980 + 1,980 = \text{Rs. } 23,760$
- 94)**(c) Suppose if radius is 10, then Area = 100π
 If New radius is 5 (50% Less) then Area = 25π
 Therefore the Area is decreased by **75%**.
- 95)**(b) $[(\text{Standard Deviation})/(\text{Mean})] \times 100$
- 96)**(c) $(Q3-Q1) / (Q3+Q1)$

- 97)**(a) $SD = \text{Square root of } \{ [(2-5)^2 + (4-5)^2 + (5-5)^2 + (6-5)^2 + (8-5)^2] / 5 \} = \text{SQRT } (20/5) = \text{SQRT}(4)$
 $SD = 2$
- 98)**(b) 7
- 99)**(d) Program
- 100)**(c) FORTRAN
 Software-Computer software, or just software is a general term used to describe a collection of computer programs, procedures and documentation that perform some tasks on a computer system
SPSS- Statistical Package for the Social Sciences is software tools for Statistician.
Windows-System Software.
Excel-Application Software.
FORTRAN-is a Language but not a software.

GROUP-I PRELIMS MODEL TEST PRIZE RS. 10,000/-

Top Ten Aspirants (Marks) get Rs.1,000/- Each.

Mar 29th (Sun): 9.30 AM. Details: 92832-48488 / 98404-00825.

Intensive CRASH Course for GROUP-1 on Week-Ends.

GROUP-I Materials by Post : Tamil & English Medium + Classes CD's.

DAILY FREE SMS ALERTS

To Daily receive GK, Current Affairs SMSes for UPSC, TNPSA Exams on your Mobile, Create the following sms from your mobile.

START RADIANT CHENNAI and send to **9900145368**.

START RADIANTNPSC CHENNAI send to **9900145368**.

Qn.	Ans	GENERAL ENGLISH BOOKLET SERIES (D)
101	C	By (We sat by the ground)
102	A	Either (Either meena)
103	A	Know (I ... very well about my friend)
104	C	Or (Either Rajan...Kannan)
105	C	Rice (my mother cook)
106	B	Sun (The ... rises in the eat)
107	C	Graciously (grace)
108	A	Obey (Obedience)
109	B	Dangerous (find out the adjective)
110	C	Hurry (find out the verb)
111	C	3 4 2 1(Eg.Colour)
112	B	4 1 2 3 (Eg. Stopped)
113	D	Rangan was a very simple man
114	C	Costly (Books werein those days)
115	B	Tench (the name of the fish referred here is....)
116	D	Liver (The largest organ in our body is the ...)
117	B	Wild (Elephants are animal)
118	B	Know (find out the error)
119	D	Cry (the baby is cry)
120	B	A (Call a boy standing outside)
121	D	Compound (Do not scold me in public or I will not obey)
122	A	No other girl in the class is so tall as Sylvia
123	C	Very few kings are as mighty as Akbar

124	B	John is cleverer than any other boy
125	A	Mango is one of the sweetest fruits
126	C	India is one of the most powerfull as India
127	C	Star (find out the noun)
128	D	3 4 1 2 (Eg. Far)
129	B	3 4 1 2 (Eg. Glitter)
130	A	2 4 1 3 (Eg. The U.K)
131	A	Flowers
132	B	Water flows down the hill
133	A	I want to improve my knowledge in English
134	B	Drinking lot of water is good for health
135	A	The teacher asked Mallika what her father was
136	B	The door was not closed
137	A	Complex(Being busy, I could not attend the function)
138	D	Simple (on seeing the mother the baby laughed)
139	B	Complex (if there is pain, take this tablet)
140	C	Compound (the sun had set and the stars appeared)
141	A	The (This is Ink pot which I bought yesterday)
142	D	Some (John likes to eat ... apples)
143	D	Radio (Find out the odd out)
144	D	Grass (Identify the odd word)
145	D	Goat (Identify the odd word)
146	C	Cow (identify the odd word)
147	C	Oxen (OX)

148	B	Babies	179	B	Ascended (night descended dark & cold)
149	C	Fish	180	A	Modern (it was an ancient Indian prince who first developed music)
150	B	Children	181	B	Past continuous (As we were climbing up the hill)
151	D	Amn't I (I am in your way			
152	A	S.V.O (They announced the results)	182	A	Bought (veda a car)
153	B	S.V.I.O.D.O (My teacher taught me English)	183	D	Went (we to cochin last summer)
154	A	S.V.A (She laughed loudly)	184	D	was waiting (While I for the bus a car came)
155	B	S.V.C (He appeared angry)	185	A	Teaches (mani...english)
156	D	S.V (the baby is crying)	186	B	served (Hein the army during the freedom struggle)
157	C	My Sister will come in a day or two	187	D	At (Ruby cameday break)
158	B	The cow is a useful animal	188	A	Before (My uncle came a week)
159	C	Rajan is waiting for an hour	189	C	By (A cake was sharedtwo sisters)
160	B	Yesterday I met a European	190	C	Since (He has been working ... 1984)
161	D	Locked	191	A	To walk (.... In the right side of the road is dangerous)
162	D	Swallow up	192	B	To fly (Kala likes In the air)
163	B	Some (several)	193	C	Swimming (... good for health)
164	C	Differentiate (Distinguish)	194	A	Playing (Kala doesn't like In the streets)
165	B	Youngones(Cubs)	195	A	Eaten (I have ... breakfast in the morning)
166	D	Sorrow (Grief)	196	B	Simple present (P.M. visits flood victims)
167	C	It is raining isn't it?	197	A	Present continuous (The stars are shining)
168	D	My mother cooks well doesn't she?	198	B	Past perfect (I had passed the exam)
169	A	he cannot understand English Can he	199	A	Future continuous (At 10 'o clock tomorrow I shall be traveling to Agra)
170	B	john sings well doesn't he	200	D	Present perfect (Several prisoners have broken out the jail)
171	D	In (My mother is ...the kitchen)			
172	B	En (danger)			
173	C	Er (Small)			
174	D	Ful (beauty)			
175	A	Dis (cover)			
176	C	Mis (lead)			
177	D	Dies (United nations lives on)			
178	D	Shallow (it is very deep sleep)			

NOTE: TNPSC Keys may slightly vary.

BSNL-JTO 2009 EXAM COACHING

Coaching at **CHENNAI(98404-00825)**, **TRICHY (99435-22212)** & **COIMBATORE (99520-12895)**.

3 Batches (CHENNAI):

BATCH 1: Morning 7AM-9AM (Monday to Saturday).

BATCH 2: Evening 7PM-9PM (Monday to Saturday).

BATCH 3: All Sundays & Saturdays + Govt Holidays.

All the Batches Classes till 14th June 2009. (Exam Date: 21.06.2009).

ALL BANK PO (PROBATIONARY OFFICERS) EXAM INTENSIVE COACHING

- > Coaching by experienced faculty members.
- > With plenty of Short-Cuts to do the Problems with Materials.
- > You can attend classes and get support from us till you placed in any of the Banks.
- > Exhaustive coverage of Current Affairs.
- > Morning Batch: 7.30AM - 9AM and on Sundays 10AM-1PM.
- > Shortly EVENING batch also.

Rajaboopathy R
Director