

APPSC GROUP – 1

GENERAL STUDIES – 2008

HELD ON: 20-4-2008

1. The Supreme Court of Bengal was constituted by the – Crown in the year
1) 1776 2) 1777 3) 1774 4) 1775
2. In which year did Gandhiji come actively on the political scene?
1) 1916 2) 1919 3) 1930 4) 1932
3. The 'Sri Bagh Pact' (Sri Bagh Agreement) concluded on 16th November 1937 was between
1) Andhra – Rayalaseema – Telangana 2) Andhra – Telangana
3) Andhra – Hyderabad 4) Andhra – Rayalaseema
4. The Rampa rebellion happened during
1) 1922 – 1924 2) 1919 – 1920 3) 1921 – 1922 4) 1925 – 1926
5. The Provincial Government were given more powers under the system of Dyarchy by
1) Indian Councils Act of 1892
2) The Government of India Act of 1909
3) The Government of India Act of 1919
4) The Gandhi-Irwin Pact
6. Raja Rammohan Roy founded a new religious society, the Brahma Sabha, later known as the Brahmo Samaj, in the year
1) 1826 2) 1829 3) 1834 4) 1836
7. Who was the tenth (10th) Guri of the Sikhs?
1) Guru Teg Bahadur 2) Guru Har Kishan
3) Banda Bahadur 4) Guru Govindu Singh
8. Which of the following battles marked the real beginning of the Mughal empire in India and set it on the path of expansion?
1) The First Battle of Panipat
2) The Second Battle of Panipat
3) The Battle of Kanwah
4) The Battle of Kannauj
9. In the South, Vijayanagar rulers's main rivals were the Sultans of
1) Bahmani 2) Hoysala 3) Warangal 4) Madurai
10. The 'Ghatikas' were
1) Educational centres of Buddhists 2) Villages incharge of religious matters
3) Hindu colleges 4) Revolutionists
11. The Mughal Empire in India was founded by
1) Akbar 2) Babur 3) Aurangzeb 4) Ibrahim Iodi

12. Who was called the Father of Indian Renaissance?
1) Tilak 2) Gokhale
3) Gandhi 4) Raja Ram Mohan Roy
13. The Home Rule Movement was started by
1) Gandhi 2) Gokhale 3) Annie Besant 4) A.O. Hume
14. Moplah rebellion of 1921 took place in
1) Kerala 2) Karnataka 3) Maharashtra 4) Punjab
15. The medium of instruction in the college attached to the larger temples of South India Was
1) Tamil 2) Sanskrit 3) Kannada 4) Telugu
16. Who was the first person to divide the circle into 360 degrees?
1) Eratosthenes 2) Herodotus 3) Hipparchus 4) Ptolemy
17. Name the state which is the largest producer of Bauxite:
1) Maharashtra 2) Orissa 3) Bihar 4) Gujarat
18. The richest mineral region of the world is
1) Ruhr Valley 2) Amazonia
3) Atlantic Coast of USA 4) Ural Mountains
19. The leading producer and exporter of natural rubber is
1) India 2) Malaysia 3) Myanmar 4) Indonesia
20. To which country is iron ore exported from Visakhapatnam?
1) Japan 2) Germany 3) Australia 4) England
21. The hill ranges between Narmada and Tapi rivers are
1) Aravalli 2) Vindhya 3) Kaimur 4) Satpura
22. The Land of Thousand lakes' is in.
1) England 2) Finland 3) Canada 4) Korea
23. The violent and destructive tropical cyclones in China and Japan are known as
1) Hurricanes 2) Tornadoes 3) Typhoons 4) Willy-willies
24. 'Stalagmites and Stalactites' are the landforms formed due to
1) Wind 2) Glaciers 3) Rivers 4) Ground water
25. Jural Project is situated in the district of
1) Mahaboobnagar 2) Nalgonda 3) Adilabad 4) Nizamabad
26. Oil deposits in the oceans are generally confined to
1) Ocean trenches 2) Continental shelf
3) Continental slope 4) Ocean deeps
27. Find out the Great Ice Age in the following
1) Cambrian and Archaeozoic 2) Silurian and Devonian
3) Miocene and Holocene 4) Pleistocene and Pliocene

28. The scale used to find out the hardness of mineral is
1) Mercalli scale 2) Beaufort's scale
3) Mohs scale 4) Rossi-Forel scale
29. Mahabharat Range is in
1) Nepal 2) Bhutan
3) Maharashtra 4) Jammu and Kashmir
30. One day in Chennai, the high tide occurs at 8 : 00 am. The next day it will occur at
1) 8 : 13 am 2) 8 : 26 am 3) 8 : 56 am 4) 8 : 52 am
31. In which year was the 20 – point Economic Programme introduced by Smt. Indira Gandhi?
1) 1974 2) 1975 3) 1982 4) 1983
32. Who invented the Theory of Surplus Value?
1) Adam Smith 2) Ricardo 3) Hegel 4) Karl Marx
33. The founder of Telangana Praja Samithi was
1) K. Chandra Sekhar Rao 2) M. Chenna Reddy
3) A. Narendra 4) T. Anjaiah
34. The State takes steps to organize Village Panchayats as per ϕ Constitution of India under
1) Article 39 2) Article 41 3) Article 40 4) Article 42
35. The first Chairman of the Planning Commission of India was
1) Jawaharlal Nehru 2) Lal Bahadur Shastri
3) K.C. Pant 4) G.L. Nanda
36. Find out the missing letters in the following series; DIL, GLO, JOR, ?
1) XAD 2) GJM 3) MRU 4) PSV
37. If $25 + 13 = 22$ and $70 + 26 = 30$, what will be $26 + 13 = ?$
1) 20 2) 24 3) 36 4) 45
38. What is the ratio between the volumes of a cylinder and a cone of the same height and base?
1) 3 : 1 2) 1 : 2 3) 1 : 4 4) 2 : 1
39. Q is the brother of R, P is the son of Q, T is brother of S, S is the daughter of R. Who are the cousins of P?
1) R and Q 2) R and T 3) S and T 4) S and Q
40. If A is the South of B and C is to East of B, in what direction is A with respect to C?
1) North – East 2) North – West 3) South – East 4) South – West
41. Some students planned a picnic. The budget was Rs.500. 5 students failed to go, and thus the cost for each member increased by Rs.5. How many students attended the picnic?
1) 15 2) 20 3) 25 4) 30

Directions: In each of the following questions (42 to 48) one / two statements are given along with two inferences. Select the correct inference / inferences about the statement(s).

42. Statement:

'Morning walk is good for health'.

Inferences:

(i) All healthy people go for morning walk.

(ii) Evening walks – are harmful.

1) Neither of the two is true

2) Inference (i) is true

3) Inference (ii) is true

4) Both (i) and (ii) are true

43. Statement:

'Best way to escape from a problem is to resolve it.'

Inferences:

i. 'Your life will become dull if you do not face a problem.

ii. To escape from a problem, you should always have some solutions with you.

1) Inference (i) is true

2) Inference (ii) is true

3) Both (i) and (ii) are true

4) Neither of the two is true

44. Statement:

'India's economy mainly depends on forests.'

Inferences:

i. Trees should be preserved to improve India's economy.

ii. India needs only maintenance of forests to improve its economic conditions.

1) Inference (i) is true

2) Inference (ii) is true

3) Both (i) and (ii) are true

4) Neither of the two is true

45. Statements:

a. Russians were revolutionists.

b. Anarchists were revolutionists.

Inference:

i. Anarchists were Russian.

ii. Therefore, Russians are anarchists.

1) Inference (i) is true

2) Inference (ii) is true

3) Both (i) and (ii) are true.

4) Neither of the two is true.

46. Statements:

a. Doctors and Lawyers are professional people.

b. Professionals and Executive are respectable.

Inferences:

i. Respectable people are those who are Professionals and Executives.

ii. Professionals and Executives are respectable.

1) Inference (i) is true

2) Inference (ii) is true

3) Both (i) and (ii) are true

4) Neither of the two is true.

47. Statements:

- a. All sodium salts are water-soluble substances.
- b. All soaps are sodium salts.

Inferences:

- i. All soaps are water-soluble substances.
- ii. Water-soluble substance are substances of sodium salts.

- 1) Inference (i) is true
- 2) Inference (ii) is true
- 3) Both (i) and (ii) are true
- 4) Neither of the two is true

48. Statements:

- a. All liberals are proponents of national health insurance.
- b. Some members of the administration are proponents of national health insurance.

Inferences:

- i. Some members of the administration are liberals.
- ii. Proponents of national health insurance are members of liberal administration.

- 1) Inference (i) is true
- 2) Inference (ii) is true
- 3) Both (i) & (ii) are true
- 4) Neither of the two is true.

Directions: In the following questions (49 – 50) the two given words bear some relation. Which of the pairs will have the same relationship as the given pair?

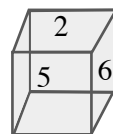
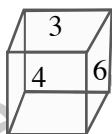
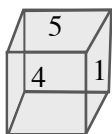
49. Engagement: Marriage

- 1) Talk Exaggeration
- 2) Success Failure
- 3) Explosion Destruction
- 4) Boy Man

50. Good Excellent

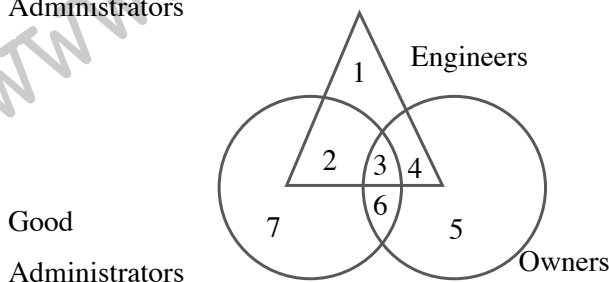
- 1) Hill Mountain
- 2) Bad Immoral
- 3) Jealousy Respect
- 4) Caution Careless

51. Three positions of the same die are given below. Which of the numbers will be on the face opposite to the face having number?



- 1) 1
- 2) 3
- 3) 4
- 4) 5

52. In the given Venn diagram which one represents the Engineers who are neither Owners nor Good Administrators



- 1) 1
- 2) 2
- 3) 3
- 4) 4

- [illegible]

61. The National Institute of Oceanography is located at
1) Kerala 2) Goa 3) Gujarat 4) Tamil Nadu
62. The term 'Uttarayana' indicates the
1) period from 23rd December to 21st June
2) Period from 21st June to 22nd December
3) Period from 21st March to 22nd September
4) Period from 22nd September to 22nd December.
63. Experiment related to Artificial Rainfall was conducted for the first time in Andhra Pradesh at
1) Atmakur, Anantapur district 2) Gadanki, Chittoor district
3) Manneguda, Rangareddy district 4) Chevella, Rangareddy district
64. To reach Sri Lanka from Nagercoil of Tamil Nadu, one has to cross
1) Sunda Strait 2) Palk Strait
3) Gulf of Mannar 4) Gulf of Kutch
65. Find out the wrong statement:
1) January is hottest month in the Southern Hemisphere.
2) Yellow Sea is the coastless sea in the world.
3) Stratosphere is often called the Ozonosphere.
4) Equator is often called "The Great Circle".
66. Find out the correct statement:
1) Kosi project is the joint project of India and Bangladesh.
2) Andhra Pradesh coast is a part of Konkan Coast.
3) The biggest oil refinery is at Haldia
4) Nile is an exotic river.
67. The place where diesel locomotives are manufactured is
1) Perambur 2) Jamshedpur 3) Varanasi 4) Chittaranjan
68. The incoming solar radiation is known as
1) Reflection 2) Insolation 3) Radiation 4) Refraction
69. The day at which the Earth reaches closest to the Sun is
1) Perihelion 2) Aphelion 3) Summer Solstice 4) Winter Solstice
70. The intensity of earthquakes is severe at the
1) Focus point 2) Epicenter 3) Equator 4) Poles
71. Which of the following is not an agro-based industry?
1) Cigarettes 2) Vanaspati 3) Paper 4) Cement
72. Which Article of the Indian Constitution accords special status to Jammu and Kashmir?
1) Article 365 2) Article 370 3) Article 380 4) Article 390
73. The share of scheduled Tribes in the country's population in the year 2001 was
1) 17.5 percent 2) 21.4 percent 3) 12.7 percent 4) 8.6 percent

74. Committee on Estimates comes under which of the following Standing Committees of the Parliament?
- 1) Scrutiny Committees
 - 2) Financial Committees
 - 3) House Committees
 - 4) Enquiry Committees
75. Which of the following states has the highest number of seats in the Rajya Sabha?
- 1) Rajasthan
 - 2) Madhya Pradesh
 - 3) West Bengal
 - 4) Andhra Pradesh
76. Jawaharlal Nehru National Urban Renewal Mission (JNNURM) in December 2005, was for providing
- 1) Urban infrastructure and basic services in all mega cities
 - 2) Urban infrastructure and basic services in all small cities
 - 3) Urban infrastructure and urban basic services in over 60 cities with million plus population
 - 4) Urban infrastructure and urban basic services in all cities
77. Which is the Poverty Alleviation Programme started in the Reform period (after 1991)?
- 1) Jawahar Rozgar Yojana (JRY)
 - 2) Prime Minister's Rozgar Yojana (PMRY)
 - 3) Food for Work Programme (FWP)
 - 4) National Rural Employment Programme (NREP)
78. Capital raised through ADRs/GDRs is classified in India as
- 1) Foreign Direct Investment
 - 2) Foreign Institutional Investment
 - 3) Foreign Equity Investment
 - 4) Foreign Borrowing.
79. In India, the Inflation measure is
- 1) Consumer Price Index of Rural Labourers
 - 2) Consumer Price Index of Agricultural Labourers
 - 3) Wholesale Price Index
 - 4) Consumer Price Index
80. In India, the proportion of population in the working age group (15 – 64 years) is
- 1) 56.3 percent
 - 2) 62.9 percent
 - 3) 67.2 percent
 - 4) 71.2 percent
81. Which one of the following parties in the Congress-led UPA Government is the second largest party in the UPA Coalition?
- 1) DMK
 - 2) NCP
 - 3) RJD
 - 4) JMM
82. Which of the following is not a feature of the Money Bill?
- 1) It can be introduced only in the Lower House
 - 2) It cannot be amended or rejected by the Upper House.
 - 3) It can be introduced only on the recommendations of the President
 - 4) It can be rejected, approved or returned for reconsideration by the President
83. What percentage of population possesses some form of insurance coverage in India?
- 1) 5%
 - 2) 10%
 - 3) 15%
 - 4) 20%

84. The biggest taxation source of the Government of India is
- 1) Personal Income Tax
 - 2) Corporate Income Tax
 - 3) Excise duties
 - 4) Customs duties
85. What is the chronological order in which the following states were created?
- A. Himachal Pradesh B. Maharashtra
C. Mizoram D. Haryana
- 1) B, D, A, C
 - 2) D, B, A, C
 - 3) B, D, C, A
 - 4) B, A, D, C
86. What is 'Zero Hour' in the rules of Parliamentary procedure?
- 1) The hour before sitting in the House
 - 2) The first hour of every sitting in the House
 - 3) The hour before the question hour in the House
 - 4) The hour after the Question hour in the House
87. The target group of Ambedkar Awas Yojana (started in December 2011) was
- 1) BPL families
 - 2) Scheduled Castes and Scheduled Tribes
 - 3) Urban slum dwellers living below poverty line without adequate shelter
 - 4) All SCs and STs living below poverty line without shelter
88. The ex-officio Chairman of the Planning Commission of India is the
- 1) President
 - 2) Prime Minister
 - 3) Finance Minister
 - 4) Minister for Home Affairs
89. The first linguistic state in India came into being in the year
- 1) 1953
 - 2) 1956
 - 3) 1957
 - 4) 1952
90. In which General Elections did India for the first time form a Coalition Government at the Union?
- 1) 3rd General Elections
 - 2) 8th General Elections
 - 3) 6th General Elections
 - 4) 10th General Elections
91. President Smt. Pratibha Patil launched 'Save the Girl Child' campaign of the Government of India on
- 1) 2008, January 26th
 - 2) 2007, August 15th
 - 3) 2007, October 2nd
 - 4) 2008, March 12th
92. Which of the following companies have been conferred the Navaratna status under the aegis of the Finance Ministry in June 2007?
- 1) Bharat Electronics limited
 - 2) Bharat Heavy Electricals limited
 - 3) Hindustan Petroleum Limited
 - 4) Steel Authority of India Limited
93. The venue for the ASEAN Mekong Basin Development Cooperation Meeting in August 2007 was
- 1) Hong Kong
 - 2) New Delhi
 - 3) Jakarta
 - 4) Manila
94. According to the Approach Paper approved by National Development Council, the top priority in the Eleventh Five Year Plan is on
- 1) Information Technology
 - 2) Agriculture
 - 3) Industry
 - 4) Mining

95. The president of Turkey is
1) Abdullah Gul 2) Ghulam Mushtaq
3) Muhammad Abdullah 4) Tayyip Erdogan
96. The Kisan Credit Card Scheme has been formulated by
1) RBI 2) GIC 3) ICICI 4) NABARD
97. The meeting of the United Nations Inter-Governmental Panel on Climate Change was held in May 2007 at
1) Bangkok 2) Manila 3) Singapore 4) Hong Kong
98. The Italian satellite launched by PSLV-C8 recently was
1) Italino 2) Itaile 3) Agile 4) Romaile
99. Which city will host the 2012 Olympics?
1) New Delhi 2) London 3) Athens 4) Lisbon
100. The first Indian to win an Oscar Award was
1) Bhanu Athaiya 2) Mrinal Sen 3) Bimal Roy 4) Chetan Anand
101. Cuba's newly elected President is
1) Batista 2) Fidel Castro
3) Raul Castro 4) Jose Ramon Machado
102. India on 26th February 2008 proved that it has the capability to launch missiles from under water by test-firing successfully the missile
1) Indra 2) Sagarika 3) Trishul 4) Dhanush
103. India on 4th March 2008 won in the Commonwealth Bank ODI tri-series in cricket against Australia by
1) 6 runs 2) 7 runs 3) 8 runs 4) 9 runs
104. The ONGC's supply ship that drowned in the Arabian Sea recently was
1) Sagar-10 2) Samudrika-10 3) Sagar Ratna 4) Sagarshree
105. The winner of the Kings Cup Boxing Championship 2007 is
1) Cuba 2) Mexico 3) India 4) Thailand
106. The project that has been launched as part of the Science initiatives of the United Nations' International Year of Planet Earth in 2008 is:
1) Environment 2) Transparent Earth
3) Population 4) Ozone
107. Which of the following unveiled the fastest Super Computer in July 2007?
1) IBM 2) C-DAC 3) Intel 4) Microsoft
108. The new time-clock invented by American scientists which shows the most exact information is
1) Mechanical Clock 2) Pendulum Clock
3) Atomic Clock 4) Mercury Atom Clock

109. The name of the newly proposed/launched (April 2008) train between Kolkata and Dhaka is
1) Samjhauta Express 2) Mathri Express
3) Grand Trunk Express 4) Dhaka Express
110. The number of Rajya Sabha members to be elected on 26th March 2008 are
1) 65 2) 52 3) 62 4) 56
111. Vardhamana Mahavira was a
1) Brahmin 2) Ksatriya 3) Vaisya 4) Sudra
112. The title 'Devanam Priya' was given to
1) Samudragupta 2) KanisJika 3) Harsha 4) Asoka
113. The Dravidian style of architecture is found in
1) North India 2) South India
3) Central India 4) Eastern India
114. Who among the following was the leader of the Moderates?
1) Gokhale 2) Tilak 3) Netaji 4) Annie Besant
115. The cal 'Dilli (Delhi) Chalo' was given by
1) Gandhi 2) Nehru
3) Subhash Chandra Bose 4) Tilak
116. The chief centre or meeting point of the Indo–Roman trade was
1) Arikamedu 2) Alexandria 3) Muziris 4) Kabul
117. The conquest of South India was completed during the reign of
1) Balban 2) Ala–ud–din Khilji
3) Ghiyasuddin Tughluq 4) Muhammadbin Tughluq
118. Hindustani music was largely influenced by
1) Arabo–Persian music 2) Persian music
3) European music 4) Central Asian traditions
119. The Qutab Minar was named after
1) Iltutmish 2) Sultan Raziya
3) Qutb-ud-din Aibak 4) Khwaja Qutb-ud-din
120. Who among the following had assumed the title of 'Haindava Dharmoddharak'?
1) Shahu 2) Shivaji 3) Baji Rao–I 4) Balaji Viswanath
121. Angstrom is a/an
1) Unit of time period 2) Unit of length
3) Unit of weight 4) Type of thermometer
122. Light year is related to
1) Energy 2) speed 3) Intensity 4) Distance
123. The element used in an electric filament is
1) Aluminium 2) Copper 3) Tungsten 4) Iron

124. The chief constituent of gobar gas is
1) Methane 2) Ethane 3) Chlorine 4) Propane
125. 'Nag' is a/an
1) Multi-rocket system 2) Anti-tank missile
3) Surface-to-surface missile 4) Surface-to-air missile
126. Pressure is measured in
1) Mass per unit volume 2) Degrees 3) Pascal 4) Watt
127. Decibel is a unit of
1) Electricity 2) Light 3) Heat 4) Sound
128. The Defence Public Sector Undertaking where guided missiles are manufactured is
1) Bharat Electronics Limited 2) Bharat Dynamics Limited
3) Bharat Heavy Electricals Limited 4) Bharat Earth Movers Limited
129. Inflammable air is
1) Hydrogen 2) Helium 3) Nitrogen 4) Oxygen
130. 'Chiral' in Greek represents
1) Arm 2) Foot 3) Hand 4) Leg
131. A bioprocess occurring by absorption of energy is known as
1) Endergonic 2) Exothermic 3) Endothermic 4) Catabolic
132. Free expansion of a system is
1) Expansion against constant pressure 2) Isothermal reversible expansion
3) Isochoric reversible expansion 4) Expansion to vacuum
133. The rays that deeply darken the photographic plate are
1) Infrared 2) X-rays 3) Visible 4) Ultraviolet
134. Essential element of alkaloids is
1) Sulphur 2) Oxygen 3) Nitrogen 4) Phosphorus
135. Trontosil is a
1) Drug 2) Pro-drug
3) Over-the-counter drug 4) Synthetic penicillin
136. When the Bt gene is transferred from the bacterium *Bacillus thuringiensis* to a crop plant, the plant shows resistance to
1) Insects 2) Virus 3) Bacteria 4) Fungal infection
137. Which one of the following are the building blocks of proteins?
1) Ribosomes 2) Glucose 3) Fatty acids 4) Amino acids
138. Central Plantation Crops Research Institute is located at
1) Bhubaneswar 2) Kasargod 3) Ernakulam 4) Thiruvananthapuram
139. Atherosclerosis is a disease associated with
1) Circulatory system 2) Skeletal system
3) Digestive system 4) Integumentary system

140. In which of the following features of cell division, are animal and plant cells very different?
1) Anaphase 2) Metaphase 3) Cytokinesis 4) Prophase
141. Plants lose water through the process of
1) Evaporation 2) Germination 3) Photosynthesis 4) Transpiration
142. The observable traits of an organism are its
1) Genotype 2) Phenotype 3) Allele 4) Gene
143. 'Circumvallation' is a phenomenon concerned with which of the following events?
1) Intestion 2) Expiration 3) Excretion 4) Inspiration
144. The fish that is popularly used in malaria eradication program is
1) Oncorhynchus nerks 2) Tilapia mossambica
3) Gambusia affinis 4) Cyprinus carpio
145. Which one is considered as a dynamic part of an ecosystem?
1) Decomposer 2) Food chain
3) Producer 4) Atmospheric pressure
146. The first Global Award for promoting awareness of Global Warming has been conferred in 2007 on
1) Shashi Tharoor 2) Nelson Mandela
3) Noam Chomsky 4) Al Gore
147. Which of the following films won the Best Film Award at the Eighth IIFA Awards 2007?
1) Krrish 2) Rang De Basanti
3) Gandhi My Father 4) Kabhi Alvida Na Kehna
148. The Indo-Vietnam Friendship Festival, 2007 was held at
1) Kolkata 2) Hyderabad 3) New Delhi 4) Bangalore
149. Who is the leader of the first Arctic expedition launched in August, 2007?
1) Anousheh Ansari 2) Gregory Olsen
3) Rasik Ravindra 4) Dhruv Sen
150. The venue for the 58 International Astronomical Congress in September 2007 was
1) Hyderabad 2) Bangalore 3) New Delhi 4) Kolkata

ANSWERS

1-3; 2-2; 3-4; 4-1; 5-3; 6-2; 7-4; 8-3; 9-1; 10-3; 11-2; 12-4; 13-3; 14-1; 15-2; 16-3; 17-2; 18-1; 19-4; 20-1; 21-4; 22-2; 23-3; 24-4; 25-1; 26-2; 27-4; 28-3; 29-1; 30-4; 31-2; 32-4; 33-2; 34-3; 35-1; 36-3; 37-2; 38-1; 39-3; 40-4; 41-2; 42-1; 43-4; 44-1; 45-4; 46-3; 47-1; 48-4; 49-3; 50-1; 51-3; 52-1; 53-1; 54-1; 55-3; 56-2; 57-4; 58-1; 59-1; 60-4; 61-2; 62-1; 63-1; 64-3; 65-2; 66-4; 67-3; 68-2; 69-1; 70-2; 71-4; 72-2; 73-4; 74-2; 75-4; 76-3; 77-2; 78-2; 79-3; 80-1; 81-3; 82-4; 83-1; 84-2; 85-1; 86-4; 87-3; 88-2; 89-1; 90-3; 91-3; 92-1; 93-4; 94-2; 95-1; 96-4; 97-1; 98-3; 99-2; 100-1; 101-3; 102-2; 103-4; 104-4; 105-1; 106-2; 107-1; 108-3; 109-2; 110-4; 111-2; 112-4; 113-2; 114-1; 115-3; 116-1; 117-3; 118-2; 119-4; 120-2; 121-2; 122-4; 123-3; 124-1; 125-2; 126-3; 127-4; 128-2; 129-1; 130-3; 131-1; 132-1; 133-2; 134-3; 135-4; 136-1; 137-4; 138-2; 139-1; 140-2; 141-4; 142-2; 143-1; 144-3; 145-2; 146-4; 147-2; 148-1; 149-3; 150-1.