

GENERAL STUDIES

1. In plants, phosphorus is mainly used for (1)
1) Leaf growth 2) Flowering 3) Root growth 4) Leaf and root growth
2. Concave mirrors are used as shaving mirrors because they (2)
1) do not distort images 2) always produce real images
3) produce magnified images 4) never produce inverted images
3. In the human body, urea is produced in the (3)
1) Liver 2) Spleen 3) Kidneys 4) Pancreas
4. Sound travels faster in (3)
1) dry air than in water 2) wood than in iron
3) iron than in air 4) hydrogen than in water
5. In the human body, the pituitary gland is located in the (4)
1) Chest 2) Abdomen 3) Throat 4) Brain
6. Non-secretion of insulin causes (1)
1) Diabetes 2) Malaria 3) Ulcer 4) Tuberculosis
7. The unmanned aircraft developed in India is called (2)
1) Lakshya 2) Nishant 3) Trishul 4) Hansa
8. Photoelectric cells are used to convert (3)
1) Light energy into sound energy 2) Light energy into heat energy
3) Light energy into electrical energy 4) Electrical energy into light energy
9. India's first exclusive meteorological satellite launched recently took the Earth's image in full frame mode. What is the name of the satellite? (4)
1) INSAT-IC 2) INSAT-2B 3) INSAT-1A 4) METSAT
10. Which among the following is the richest source of protein? (4)
1) Black gram 2) Bengal gram 3) Pea 4) Soyabean
11. Which kind of light waves are used in the remote control of Television? (2)
1) Visible light 2) Infra-red 3) X-rays 4) r-rays
12. What is the name of the world's first cloned human baby? (1)
1) The Eve 2) Dolly 3) The Shrine 4) Abbey
13. Genome Mapping is related to (2)
1) Blood grouping 2) Mapping of genes
3) Mapping of nerve centres 4) Mapping of the brain
14. The technology which allows the user to access the Internet through the mobile phone without using a modem or computer, is (4)
1) PGRS 2) RPGS 3) SPGR 4) GRPS
15. Of the following diseases, which one is related to the spinal column of man? (3)
1) Hypothermia 2) Cataract 3) Cervical spondylosis 4) Hernia
16. Which of the following human organs is least susceptible to harmful radiation? (1)
1) Eyes 2) Heart 3) Brain 4) Lungs
17. The fuel efficiency of dry cattle dung in comparison to bio-gas is (2)
1) One-fourth 2) One-fifth 3) One-sixth 4) One-eighth
18. Which of the following is named 'Gajraj'? (1)
1) MIG-27 2) Jaguar 3) Mirage 2000 4) IL-76
19. The missile 'Agni' has a range of (3)
1) 1000 km 2) 700 km 3) 2000 km 4) 200 km
20. The largest Telecom operator in India is (1)
1) BSNL 2) MTNL 3) Tata Indicom 4) Reliance Info.comm
21. Which of the following cities has India's first "Techno Park"? (1)
1) Gurgaon 2) Pune 3) Bangalore 4) Thiruvananthapuram
22. The National Institute of Oceanography is located at (4)
1) Cochin 2) Mumbai 3) Chennai 4) Goa
23. Which of the following is a mixture? (4)
1) Lime 2) Table salt 3) Sugar 4) Sea water
24. Where does genetic mutation occur? (1)
1) In DNA 2) In RNA 3) In chromosomes 4) In ribosomes
25. An element is best characterised by its (1)
1) Electronic configuration 2) Atomic number 3) Atomic weight 4) Atomic volume
26. The Supreme Court has allowed the construction of the Sardar Sarovar Dam up to a height of (2)
1) 88 metres 2) 90 metres 3) 100 metres 4) 120 metres
27. The Central Rice Institute of India is located in (2)
1) Kolkata 2) Cuttack 3) Bangalore 4) Guwahati
28. The Rana Pratap Sagar Power Plant (Rajasthan) is associated with (1)
1) Nuclear power 2) Solar power 3) Hydro-electricity 4) Gas-based electricity
29. Which of the following States is the leading producer of woolen textiles? (2)
1) Jammu & Kashmir 2) Punjab 3) Rajasthan 4) Himachal Pradesh
30. Which of the following Oil Corporations in the Public Sector has proposed setting up a new oil refinery at Bina in M.P.? (1)
1) Indian Oil Corporation 2) Bharat Petroleum Corporation
3) Hindustan Petroleum Corporation 4) Indo-Burma Petroleum Corporation
31. At the mouth of which river is India's largest estuary located? (2)
1) Hooghly 2) Bhagirathi 3) Godavari 4) Krishna
32. The most extensive soil cover of India comprises its (2)
1) Red Soil 2) Black soil 3) Alluvial soil 4) Marshy soil
33. The most sensitive indicator of the health of a community is its (3)
1) Birth Rate 2) Infant Mortality Rate 3) Death Rate 4) Maternal Mortality Rate
34. In India, banks were nationalised for the first time in the year (2)
1) 1950 2) 1960 3) 1969 4) 1979
35. Similipal in Orissa state is well known for its (2)
1) Stone-carved temple complex 2) Wild-life sanctuary
3) Virgin beach 4) Hydro-electric power project
36. Where are tropical evergreen forests found in India? (1)
1) Kerala 2) Andhra Pradesh 3) Madhya Pradesh 4) Orissa
37. Certain economists opine that Indian economy has reached the "Take off" stage. It means (3)
1) The economy is about to collapse 2) The economy is stagnant
3) The beginning of steady growth 4) The removal of all controls

38. During which Five Year Plan was the primary responsibility of India's development shifted to the Public Sector? (2)
1) First Plan 2) Second Plan 3) Third Plan 4) Fourth Plan
39. How much of India's total area consists of cultivable plains? (1)
1) 23% 2) 36% 3) 41% 4) 51%
40. Which of the following is the largest contributor to the total tax revenue of India? (4)
1) Income Tax 2) Corporation Tax 3) Customs Duties 4) Union Excise Duties
41. With which of the following industries is Ranchi associated? (4)
1) Rayon Silk 2) Copper 3) Hosiery 4) Manufacture of heavy machines
42. In which of the following states is India's largest lake located? (4)
1) Andhra Pradesh 2) Assam 3) Madhya Pradesh 4) Orissa
43. Find the odd one out : (1)
1) Jagson Airlines 2) Indian Airlines 3) Air Sahara 4) Jet Airways
44. What is the share of agriculture in India's GDP at present? (3)
1) 50% 2) 52% 3) 26% 4) 55%
45. What is India's female literacy rate according to the 2001 census? (2)
1) 62.48% 2) 54.16% 3) 64.13% 4) 66.47%
46. For which of the following crops does India have the largest cultivating area in the world? (3)
1) Wheat 2) Rice 3) Pulses 4) Cotton
47. According to the data recently published by the WHO, how many people are killed every year in violence? (0)
1) 1 million 2) 0.8 million 3) 1.2 million 4) 1.6 million
48. Which of the following pairs of countries achieved the top and the bottom positions respectively in matters of development as per the World Human Development Report 2002? (2)
1) USA and Sri Lanka 2) Norway and Sierra Leone
3) Sweden and Pakistan 4) Canada and Bangladesh
49. Cheque-bouncing is now a punishable offence and can attract imprisonment upto (2)
1) One year 2) Two years 3) Three years 4) Four Years
50. From which of the following is Plan expenditure met in India? (0)
1) External aid and assistance from OECD countries 2) External aid from other countries
3) Internal borrowing and other measures 4) External aid from IMF
51. Who among the following led the rebellious sepoys in Kanpur in 1857? (3)
1) Tantia Tope 2) Laxmi Bai 3) Nana Saheb 4) Kunwar Singh
52. Who was the first woman president of the Indian National Congress? (2)
1) Sarojini Naidu 2) Mrs. Annie Besant
3) Sucheta Kripalani 4) Madam Cama
53. Where did Gandhiji start the first peasant movement during the freedom struggle?
1) Sabarmati 2) Bardoli 3) Chouri-Choura 4) Champaran (4)
54. During India's freedom struggle, which of the following was formed the earliest?
1) Congress Socialist Party 2) Communist Party of India (0)
3) Hindustan Republican Socialist Association 4) All India States People's Conference

55. Who of the following women freedom fighters went underground during the Quit India Movement? (3)
1) Sucheta Kripalani 2) Vijayalaxmi Pandit 3) Aruna Asaf Ali 4) Sarojini Naidu
56. In which session of the Indian National Congress did Dadabhai Naoroji announce that "Swaraj" was the goal of India's political efforts? (4)
1) 1886 Calcutta Session 2) 1893 Lahore Session
3) 1905 Banaras Session 4) 1906 Calcutta Session
57. The most famous musician at the court of Akbar was Tansen. What was his original name? (0)
1) Makaranda Pande 2) Ramtanu Pande 3) Lal Kalwant 4) Boz Bahadur
58. Who is the author of Sangeet Ratnakara, the treatise on classical music? (0)
1) Matanga 2) Sarangadeva 3) Tansen 4) Purandaradasa
59. Which classical Indian dance form evolved in a region once known as 'Odhra Magadha'? (0)
1) Kathak 2) Odissi 3) Manipuri 4) Bharatanatyam
60. Who was the builder of the fortification in the Aravallis which is sometimes called "The Great Wall of India"? (0)
1) Rana Pratap 2) Rana Sanga 3) Rana Kumbha 4) Man Singh
61. Which community of Indian Muslims is enjoined to pray only thrice a day instead of the customary five times? (0)
1) Ismaili Khojas 2) Bohras 3) Moplahs 4) Ahmadiyahs
62. In the Mahabharat, the hundred sons of Dhritarastra (i.e.Kauravas) also had a sister. What is her name? (2)
1) Vaisal 2) Duhshala 3) Ratnavali 4) Durvinita
63. In what evidence is Central Asia regarded as the original home of the Aryans?
1) Anthropological 2) Philological 3) Racial 4) Archaeological (3)
64. When, and where was our National Anthem first sung? (4)
1) January 24, 1950 in Allahabad 2) January 24, 1950 in Delhi
3) December 26, 1942 in Calcutta 4) December 27, 1911 in Calcutta
65. Noutanki is a popular folk drama of (3)
1) Rajasthan 2) Bihar 3) Uttar Pradesh 4) Madhya Pradesh
66. Who of the following called Cripp's proposals "post-dated cheques"? (2)
1) Motilal Nehru 2) M.K. Gandhi
3) Jawaharlal Nehru 4) Sardar Vallabhbhai Patel
67. The Government of India has proposed to introduce legislation for dual citizenship for NRIs. Which of the following recommended dual citizenship? (2)
1) Kelkar Committee 2) L.M. Singhvi Committee
3) Kothari Committee 4) K Lal Committee
68. What is the age of retirement for a High Court Judge? (3)
1) 65 Years 2) 60 Years 3) 62 Years 4) 58 Years
69. Which of the following is the most important item of expenditure of the Government of India on Revenue Account? (2)
1) Defence 2) Subsidies 3) Pensions 4) Interest Payments
70. Find the odd one out (4)
1) Amaravati 2) Nagarjuna Konda 3) Ajanta Caves 4) Gomateswara

- 71. The Bodoland agitation is centred in** (2)
1) Tripura 2) Assam 3) Manipur 4) Bihar
- 72. The Proclamation of Emergency under Article 352 of the Constitution of India must be approved by the Parliament within** (4)
1) 6 months 2) 3 months 3) 2 months 4) One month
- 73. The federal part of the Government of India Act, 1935 could not be implemented, because** (4)
1) The Congress Party did not accept it 2) The Muslim League did not accept it
3) Some of the provinces did not accept it
4) The rulers of princely states did not consent to join the proposed federation
- 74. Who of the following presides over the meetings of the National Development Council?** (3)
1) The Finance Minister 2) The Minister for Planning
3) The Prime-Minister 4) The Vice-President
- 75. The book My Presidential Years was written by** (3)
1) Dr. Shankar Dayal Sharma 2) Dr.S. Radhakrishnan
3) R. Venkataraman 4) Dr. Rajendra Prasad
- 76. Which of the following is a Fundamental Right, guaranteed by the Constitution of India?** (4)
1) Right to Govern 2) Right to Property
3) Right to Information 4) Right to Equality
- 77. Without being a Member of Parliament, can a person be appointed a minister?** (4)
1) No 2) Yes, without any conditions
3) Yes, only if the Parliament approves the appointment
4) Yes, but he should be elected as member of Parliament within 6 months of his appointment.
- 78. As per the Constitution of India, who can make laws on residual matters?** (2)
1) State Legislatures only 2) Parliament only
3) Parliament, with the concurrence of State legislatures
4) Parliament or State legislatures as decided by the Supreme Court
- 79. The salaries of Members of Parliament are decided by the** (1)
1) Parliament 2) Union Cabinet 3) President of India
4) Speaker of the Lok Sabha in consultation with the Chairman of the Rajya Sabha
- 80. In which of the following states was the Panchayati Raj System introduced first?** (1)
1) Rajasthan 2) West Bengal 3) Karnataka 4) Andhra Pradesh
- 81. Which of the following pairs of words were added to the Preamble of the Constitution of India by the 42nd Amendment?** (2)
1) 'Sovereign' and 'Democratic' 2) 'Secular' and 'Socialist'
3) 'Democratic' and 'Socialist' 4) 'Secular' and 'Democratic'
- 82. Though India is a federal political system, the word 'federation' is** (3)
1) mentioned at only one place in the Constitution
2) mentioned only at two places in the Constitution
3) not mentioned in the Constitution
4) mentioned only in the Schedules of the Constitution

- 83. What is the quorum for Lok Sabha meetings?** (3)
1) 1/6 or 80 members 2) 1/4 or 140 members
3) 1/10 or 55 members 4) 1/20 or 28 members
- 84. Which of the following is wrongly matched?** (4)
1) Rayaprolu SubbaRao - Trunakankanam
2) Duvvuri - Krusheevaludu
3) Krishna Sastri - Urvasi
4) Basavaraju Appa Rao - Panasala
- 85. Who of the following was the first Indian to join the Indian Civil service?** (4)
1) Devendranath Tagore 2) Surendranath Banerji
3) Abhanindranath Chatterji 4) Satyendranath Tagore
- 86. Who among the following was the author of Ramacharita Manas?** (1)
1) Tulsidas 2) Kabirdas 3) Chaitanya Mahaprabhu 4) Surdas
- 87. Who of the following was awarded the 2002 Gandhi Peace Prize?** (4)
1) John Hume 2) Ramakrishna Mission
3) Nelson Mandela 4) Bharatiya Vidya Bhavan
- 88. The Annual summit of World Economic Forum was held in Davos in January 2003. Davos is a city in** (1)
1) Switzerland 2) Brussels 3) Norway 4) Denmark
- 89. Who was the Chief Guest at the 2003 Republic Day parade in New Delhi?** (2)
1) S.R. Nathan 2) Mohammad Khatami
3) Moumoon Abdul Gayoom 4) Hosni Mubarak
- 90. Which of the following nations joined the U.N. Security Council as a non-permanent member for two years in January 2003?** (2)
1) India 2) Pakistan 3) Nepal 4) Bangladesh
- 91. What is considered to be the source of the Telugu Script?** (1)
1) Brahmi Script 2) Dakshina Brahmi Script
3) Devanagari Script 4) Cannada Script
- 92. 'Nandi' awards were introduced for the best cinema in Andhra Pradesh in the year 1964. Which of the following movies was awarded the first 'Golden Nandi' award?** (1)
1) Antastulu 2) Doctor Chakravarthi 3) Sudigundalu 4) Gudi Gantalu
- 93. In a certain code, CATTLE is DZUSMD. What would be the code for STRAIN?** (4)
1) TSSYJM 2) TUSZJM 3) RSSBHM 4) TSSZJM
- 94. In a certain code, LEST is 1,2,3,4 and BACK is 5,6,7,8. Then STABLE in that code would be** (1)
1) 346512 2) 345612 3) 354162 4) 346521
- 95. Find the odd one out from 441, 484, 529, 566 and 625** (4)
1) 484 2) 529 3) 625 4) 566
- 96. In the beginning the Kakatiyas were** (2)
1) Jains 2) Shivites 3) Vaishnavites 4) Golaki Shivites
- 97. Where in Andhra Pradesh is the 9-temple complex of Navabrahma ?** (2)
1) Satyavolu 2) Alampur 3) Mahanandi 4) Vemulawada
- 98. From whom did Kakatiya Pratapa Rudra take over Kanchipuram in the south?** (1)
1) Ravivarman 2) Raja Raja Chola 3) Rajendra chola 4) Tanjavur Naykas

99. Identify the wrong pair : (3)
- 1) Inavolu - The Temple of Mylarudeva
 - 2) Kolanupaka - The Temple of Someswara
 - 3) Vemulawada - The Temple of Swayambhudeva
 - 4) Movva - The Temple of Gopalswami
100. Which of the following countries have been labelled as 'Axis of Evil' by the American President, George W. Bush? (0)
- A) North Korea 1. East Timor B) Iran 2. Afghanistan
 - 1) ABC 2) C D 3) A B C D 4) A B C D
101. Who of the following was selected for the award of the Fourth Annual Prize of \$ 350,000 for Cultural Freedom, by the US based Lannan Foundation in January 2003? (0)
- 1) Medha Patkar 2) Arun Kumar Singh
 - 3) Arundhati Roy 4) Anton S. Balasingham
102. The Naga insurgent leader who participated in the peace talks during the 3rd week of January 2003 in Delhi was (2)
- 1) Aaleng Pang 2) Isak Chishi Swu 3) Idobi Singh 4) Kaising Patwa
103. Who of the following won the Hollywood Foreign Press Association's 'Golden Globe' award for the Best Dramatic Actor in January 2003? (2)
- 1) Jack Nicholson 2) Richard Gere 3) Gene Hackman 4) Michael Chiklis
104. Sonam Singh won the Gold Medal at the national level and a silver medal in "Sankar's International Children's Award" and received it from the President of India in Delhi on 24 January, 2003. What is the title of the Painting she drew? (0)
- 1) Indian Child 2) Bharat Mata 3) The School 4) Indian Bride (0)
105. Who was the Chief Guest at the Republic Day Parade on January 26, 2003? (3)
- 1) Kamal Kharrazi 2) Mohammad Ali Shamkhani
 - 3) Mohammad Khatami 4) Bijam Zagnesh
106. Which of the following awards was conferred recently on the 87 year-old Quaker from Philadelphia, Dr. George Willoughby, for propagating Gandhian ideals abroad? (0)
- 1) Indira Gandhi International Award 2) Jamnalal Bajaj Annual Award
 - 3) Gandhi Peace Foundation Award 4) Rajiv Gandhi Sadbhavana Award
107. Maqbool Fida Husain, the famous Indian painter wrote a book which was released in Hyderabad on January 19, 2003. What is the title of the Book? (4)
- 1) Gajagami 2) Al Fida 3) Zakhm 4) Where Art Thou
108. Identify the odd one : (1)
- 1) Michael Elgin 2) Kalpana Chawla 3) Rick Husband 4) Laurel Clark
109. The Appajosyula Vishnubhot Foundation (USA) presented the 'Pratibha Murthi Lifetime Achievement Award-2003' to (0)
- 1) R.S. Sudarshanam 2) Kolakaluri Enac
 - 3) Korlapati Srirama Murthy 4) Ramalaxmi Arudra
110. India successfully test-fired the "Agni" missile on 9 th January, 2003. Which of the following is not true about? (3)
- 1) It was fired from Wheeler Island 2) It is a two-stage missile variant
 - 3) It is called Agni-I 4) its range is 1000 km

111. The 90 th Indian Science Congress was held in the first week of January, 2003 at Bangalore. Who of the following was/were the organisers(s) of the Congress? (4)
- 1) Indian Space Research Organization
 - 2) Tata Institute of Fundamental Research
 - 3) Bangalore University 4) ISRO and Bangalore University
112. Even as Kalpana Chawla was readying for her second voyage in space, NASA had chosen another American Indian, Ms Suneeta Lyn Williams for the International Space Station Expedition-10. Which of the following is not true about Suneeta? (4)
- 1) She is 37 years old 2) She is serving as a Lieutenant Commander
 - 3) She is the daughter of Dipak Pandya and Ursaline
 - 4) She does not have any earlier experience in flying.
113. The Golden Jubilee celebrations of the Sankaracharya, Jayendra Saraswati's ascension to the Kanchi Kamakoti Peetam started on 21 March, 2003 at Tirumala. Jayendra Saraswati is the (0)
- 1) 64th Acharya of the Peetam 2) 68th Acharya of the Peetam
 - 3) 69th Acharya of the Peetam 4) 70th Acharya of the Peetam
114. Who of the following is the only woman member of the recently elected Chinese Politburo, and who is also the new Chinese Vice-Premier? (3)
- 1) Wu Yi 2) Chen Zhili 3) Li Zhao-xing 4) Cao
115. The English film which bagged the Gollapudi Srinivas National award for the year 2002 is (0)
- 1) Gladiator 2) 10 3) Let's talk 4) The Abyss
116. Where was the World Water Forum opened on 16th March, 2003? (2)
- 1) Hong Kong 2) Tokyo 3) Singapore 4) Belgrade
117. Hu Jintao, the General Secretary of the Chinese Communist Party and the Chinese Vice-President was elected the 6th President of China on March 15, 2003. Who became the Vice-President of China in Hu's place (3)
- 1) Wu Bangguo 2) Li Peng 3) Zeng Qinghong 4) John Wong
118. Who of the following Bollywood actresses is the recipient of a special 'Red and White Bravery Award' for the year 2003? (0)
- 1) Preity Zinta 2) Shabana Azmi 3) Madhuri Dixit 4) Aishwarya Rai
119. A bloody war began between USA and Iraq on the 21st of March, 2003. What is the old name of Iraq? (2)
- 1) Assyria 2) Mesopotamia 3) Turkmenistan 4) Alexandria
120. Billy Bowden, one of the umpires at the World Cup Cricket-2003, who attracted the attention of the galleries for his eccentric and flamboyant gestures, belongs to (0)
- 1) England 2) Australia 3) New Zealand 4) South Africa (0)
121. Which of the following statements is not correct? (0)
- 1) The 62 Year-old former England Cricket captain, Geoff Boycott, is detected with throat cancer
 - 2) The Gladiator superstar, Russell Crowe, is a native of Fiji and lives in New Zealand
 - 3) During his visit to India in the first week of March 2003, the German President Johannes Rau, visited the National Remote Sensing Agency in Hyderabad.
 - 4) The planet Jupiter was found with 7 more moons recently

122. Which of the following organizations announced the Dr. B.C. Roy National Awards recently for 2001 and 2002 in Medicine, Philosophy, Science, Art and Literature?

- 1) The Pharmacy Council of India ()
 2) The National Council for Educational Research and Training
 3) The Government of West Bengal 4) The Medical Council of India

123. The Cuban President, Fidel Castro, the world's longest ruling head of government was once again elected President by the Cuban Parliament on 7th March, 2003. In all, how many terms has he been elected President of Cuba, including the recent one?

- 1) 10 terms 2) 9 terms 3) 8 terms 4) 6 terms (4)

124. The Space Shuttle Columbia's catastrophic break-up on February 1, 2003 killing the seven member crew reminds us of the break-up of another space shuttle on January 28, 1986 in Florida, killing exactly the same number of crew. What was the name of the shuttle? (4)

- 1) Columbia-1 2) Discovery 3) Atlantis 4) Challenger

125. An American missionary, Joseph William Cooper was in the news because of an attack on his life in Kerala in January 2003. Which of the following is not true about him?

- 1) He is a bishop in the New Jerusalem Universal Church in Ohio ()
 2) He is a civil engineer by profession
 3) He is a permanent visa holder to stay in India. 4) He belongs to the Pentecostal group

126. If Russia is the largest weapons supplier to India, which of the following countries is the second largest weapons supplier to India? (3)

- 1) Sweden 2) USA 3) Israel 4) Norway

127. The 2003 Cricket World Cup got off to a spectacular start on 10 February, 2003. Who officially inaugurated the event? (3)

- 1) Malcolm Gray 2) Ngconde Balfour
 3) Thabo Mbeki 4) Sir Garry Sobers

Read the following and answer Q.128 and Q.129. Five Friends A, B, C, D and E went to spend their evening at five different places according to their taste.

- E and A did not go to see a Cricket match or to a Fun-fair ()
 - D and B were not interested in a Fun-fair or a Music programme.
 - A did not go to a Dance programme and E did not go to see a Painting exhibition
 - D did not go to see a Cricket match. Painting does not interest A and B.

128. Who went to a Dance Programme? (0)

- 1) B 2) D 3) A 4) E

129. Which of the following statements is not correct? (0)

- 1) C went to see a Fun-fair 2) D was interested in Painting
 3) E did not go to a Fun-fair 4) A went to a Music Programme

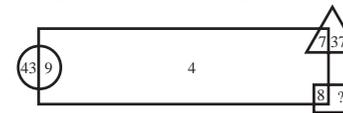
130. Form a sensible word with the 1st, 2nd, 3rd, 5th, 7th and 8th letters of the word GRANDSON. Which are the first and last letters of that word? (3)

- 1) R and N 2) A and G 3) D and N 4) R and D

131. A Watchman is standing in a light-house facing north. He turned 135° clockwise, then 315° anti-clockwise. After some time he again turned 45° clockwise. After some time he again turned 45° clockwise. Which direction is he facing now?

- 1) South-West 2) North-East 3) East 4) West (1)

132. Find the missing number in the space with the question mark? (3)



- 1) 40 2) 41 3) 39 4) 32

133. Amit's birthday was celebrated on October 22, 1994, a Saturday. What will be the day on his birthday in the year 1996? (3)

- 1) Saturday 2) Monday 3) Tuesday 4) Friday

134. The sales of a product go on increasing year after year. On the basis of the following production trends, find out its production for the year 2003. (4)

1988	7	1999	14
2000	28	2001	49
2002	77	2003	?

- 1) 98 2) 119 3) 105 4) 112

135. If the value of CAT=24, that of DOG=26, what would be the value of PIG=?

- 1) 32 2) 25 3) 29 4) 34 (1)

136. An army convoy reaches the battlefield from its Head quarters in six hours. It covers the first one-third of the journey at an average speed of 50 km per hour. The next one-third of the journey is covered at 45 km per hour and the last one-third in a hilly zone at 20 km per hour. Find out the total distance covered

- 1) 250 km 2) 220 km 3) 230 km 4) 240 km (3)

137. A statement is given below followed by four alternative inferences. Select the most appropriate one. (1)

Statement : Many creative persons become artists.

- 1) Some artists are creative persons 2) A high level of creativity is needed to become an artist
 3) It is not possible to become an artist without creativity
 4) A creative person will certainly become an artist

138. Introducing a man, a woman says, "His wife is the only daughter of my father." How is that man related to the woman? (4)

- 1) Brother 2) Father-in-law 3) Maternal uncle 4) Husband

139. Which of the following groups of letters should come in place of the question mark in the series given below? (0)

AZB; CYD; EXF ; IVJ

- 1) GUH 2) GHU 3) GWH 4) GHW

Read the following carefully and answer Q.140 and Q 141

Six books on different subjects viz. History Geography, English, Hindi, Economics, Psychology are arranged in a pile necessarily in the same order. Each belongs to a different person and their names are Dinesh, Harish, Viswas, Lalita, Sanjay and Neeta.

The English book is kept on the top and belongs to Dinesh. The Psychology book kept at the bottom and it does not belong to Sanjay or Lalita.

The Economics book belongs to Harish and kept immediately after the Hindi book.

The History book is immediately above Geography book and immediately below Economics book. The Hindi book belongs to Neeta and the History book belongs to Lalita.

140. To whom does the Psychology book belongs? (2)
 1) Neeta 2) Viswas 3) Harish 4) Lalita
141. Which book is the fourth from the bottom (3)
 1) History 2) Geography 3) Economics 4) Hindi
142. If $A=2$, $M=26$ and $Z=52$, then $BET =$ (2)
 1) 44 2) 54 3) 64 4) 72
143. If '+' stands for Multiplication, 'X' stands for Division, '-' stands for Addition and '÷' stands for Subtraction, what would the following equation stand for? (3)
 $20 - 8 \quad 4 \quad 3 + 2 = ?$
 1) 41 2) 19 3) 16 4) 18
144. In a certain code, sa re ga ma means "Island of the dead", ga pa re dha means "the end of time", na se ma pa means "its a dead end". If so, which of the following could mean "time of the Jackal"?
 1) Sur ga re pa 2) ga sur pa ma 3) re ga sur dha 4) ga re dha ma ()
Instruction for Q145 and Q.146 : Each question contains two statements followed by four conclusions numbered I, II, III, IV. You have to treat the given statements as truths even if they appear at variance with commonly known facts. Read all the conclusions and then decide which of them logically follow from the statements given.
145. Statements : (4)
 1) Some stones are minerals 2) All plants are stones.
 Conclusions :
 I. All stones are plants II. Some plants are minerals.
 III. All minerals are stones. IV. No mineral is a plant
 1) Only I and III follow 2) All the four follow *
 3) Only II and III follow 4) Either II or IV follows
146. Statements :
 1) Some crows are eagles. 2) Some eagles are sparrows while the rest are dogs
 Conclusions :
 I. Some crows are neither sparrows nor dogs. (2)
 II. Some crows are either Sparrows or dogs.
 III. Some eagles are not crows. IV. Some dogs are sparrows.
 1) Only I and III follow 2) Either I or II follows
 3) Only II and III follow 4) Only IV follows
147. Which set of letters when sequentially placed at the gaps in the given letter series shall complete it (1)
 H _ JH _ IJHHI _ HH _ JH
 1) IHJI 2) HIIH 3) IHJI 4) HJHJ
148. The income of a man was first decreased by 50% and then was increased by 50%. The per cent change in his income was : (3)
 1) 0% 2) 75% increase 3) 25% decrease 4) 25% increase
Instructions for Q 149 and 150 : Find the wrong number in the following series
149. 28,126,342,728,1331 (4)
 1) 126 2) 342 3) 728 4) 1331
150. 3,10,30,105,420,1890 (3)
 1) 10 2) 3 3) 105 4) 1890