

GENERAL KNOWLEDGE

1. Madhya Pradesh shares its border with how many States ?
 (a) 3 (b) 4 (c) 5 (d) 6
2. Who among the following has been awarded the 'Officer of the Legion of Honour,' the highest civilian distinction of the Government of France ?
 (a) N.R. Narayana Murthy
 (b) Ratan Tata
 (c) K. M. Birla (d) Mukesh Ambani
3. Consider the following statements about IAEA
 1. It was set up as the world's Atoms for Peace organisation in 1957.
 2. The IAEA Secretariat is headquartered at the Vienna International Centre in Vienna, Austria.
 3. In terms of its statute, the IAEA reports annually to the UN General Assembly.
 Which of the statements given above is/are correct ?
 (a) 1, 2 and 3 (b) 1 only
 (c) 2 and 3 (d) 3 only
4. Match List-I with List-II and select the correct answer using the codes given below the Lists
 A. Gagan Narang 1. Archery
 B. Akhil Kumar 2. Swimming
 C. Mangal Singh 3. Boxing
 D. Viradhwal Khade 4. Rifle Shooting
- Codes:
- | | | | | |
|-----|---|---|---|---|
| | A | B | C | D |
| (a) | 4 | 1 | 3 | 2 |
| (b) | 2 | 3 | 1 | 4 |
| (c) | 4 | 3 | 1 | 2 |
| (d) | 2 | 1 | 3 | 4 |
5. Which one of the following pairs is not correctly matched ?
 Nobel Laureate of 2008 Discipline
 (a) Martti Ahtisaari Peace
 (b) Yoichiro Nambu Physics
 (c) Jean-Marie Gustave Le Clezio Literature
 (d) Osamu Shimomura Physiology
6. Which one of the following pairs is not correct matched ?
 Person Bank
 (a) O. P. Bhatt SBI
 (b) K. V. Kamath ICICI
 (c) Aditya Puri HDFC
 (d) Vikram Pandit IDBI
7. Match List-I with List-II and select the correct answer using the codes given below the Lists
 List-I List-II
 (Year) (UN's International Year)
 A. 2000 1. International Year of Ecotourism
 B. 2004 2. International Year of Microcredit
 C. 2005 3. International Year of Planet Earth
 D. 2008 4. International Year of Struggle against Slavery and its Abolition
- Codes:
- | | | | | |
|-----|---|---|---|---|
| | A | B | C | D |
| (a) | 3 | 4 | 2 | 1 |
| (b) | 1 | 4 | 2 | 3 |
| (c) | 3 | 2 | 4 | 1 |
| (d) | 1 | 2 | 4 | 3 |
8. What does Fuwa, the Official Mascot of the 2008 Olympic Games, contain ?
 (a) Four popular animals of China and the Olympic Flame
 (b) Five popular animals of China and the map of China
 (c) Five popular animals of China
 (d) Four popular animals of China and the world map
9. Who among the following has created world record in the men's 100 metre sprint event at 2008 Olympic Games ?
 (a) Usain Bolt
 (b) Churandy Martina (c) Asafa Powell
 (d) Walter Dix

15 ½ Solved Paper

10. The Veerapa Moily Commission in its report on Administrative Reforms among other aspects has suggested doing away with which one of the following pairs of Articles of the Constitution of India ?

- (a) Articles 305 and 306
(b) Articles 307 and 308
(c) Articles 308 and 309
(d) Articles 310 and 311

11. In which one of the following places is the Forest Survey of India (FSI), a national organisation engaged in forest cover mapping, forest inventory and training in the field of remote sensing and GIS, located?

- (a) Dehradun (b) Itanagar
(c) Ahmedabad (d) Aizawl

12. In human beings, the opening of the stomach into the small intestine is called

- (a) caecum (b) ileum
(c) oesophagus (d) pylorus

13. Which one of the following is the longest National Highway in India ?

- (a) NH-2 (b) NH-7
(c) NH-8 (d) NH-31

14. The Buddha delivered his first sermon, known as 'Turning of the wheel of law' at

- (a) Sanchi (b) Sarnath
(c) Sravasti (d) Bodh Gaya

15. Which one of the following States is the largest producer of black pepper in India ?

- (a) Tamil Nadu (b) Kerala
(c) Karnataka (d) Andhra Pradesh

16.



The shaded area in the map given above is the major producer of which one of the following ?

- (a) Cotton (b) Groundnut
(c) Wheat (d) Mustard

17. Which one of the following oil fields of India is the oldest and still producing oil ?

- (a) Bombay High (b) Digboi
(c) Ankleshwar (d) Naharkatiya

18. Which one of the following pairs is not correctly matched.?

- | List-I
(National Park) | List-II
(State) |
|-------------------------------|--------------------|
| (a) Kanha National Park | Madhya Pradesh |
| (b) Sultanpur National Park | Haryana |
| (c) Ranthambore National Park | Gujarat |
| (d) Bandipur National, Park | Karnataka |

19. Which one of the following States of India is the largest producer of lignite coal ?

- (a) Maharashtra
(b) Gujarat
(c) Madhya Pradesh
(d) Tamil Nadu

20. Match List -I with List-II and select the correct answer using the codes given below the Lists:

- | | |
|-------------|-----------------|
| A. Rihand | 1. Hirakud |
| B. Gandak | 2. Balmikinagar |
| C. Chambal | 3. Pipri |
| D. Mahanadi | 4. Kota |

Codes:

- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 3 | 4 | 2 | 1 |
| (b) | 1 | 2 | 4 | 3 |
| (c) | 3 | 2 | 4 | 1 |
| (d) | 1 | 4 | 2 | 3 |

21. Which one of the following sequences of the oil refineries of India as they occur from south to north is correct ?

- (a) Kochi-Mangalore-Mumbai-Koyali
(b) Koyali-Mumbai-Mangalore-Kochi
(c) Kochi-Mumbai-Mangalore-Koyali
(d) Mangalore-Kochi-Mumbai-Koyali

16 ½ Solved Paper

22. Which of the following diseases is not caused by viruses ?
 (a) Cholera (b) Chickenpox
 (c) Hepatitis (d) Measles
23. Which one of the following cities will never get the vertical rays of the sun ?
 (a) Srinagar (b) Mumbai
 (c) Kolkata (d) Thiruvananthapuram
24. Which one of the following pairs is not correctly matched ?
- | River | City |
|---------------|-----------|
| (a) Gomati | Lucknow |
| (b) Saryu | Ayodhya |
| (c) Alaknanda | Badrinath |
| (d) Narmada | Satna |
25. Which one of the following lakes in India has the highest water salinity ?
 (a) Dal (b) Chilika
 (c) Wular (d) Sambhar
26. Match List-I with List-II and select the correct answer using the codes given below the Lists
- | | |
|------------------|------------|
| A. I Brahmaputra | 1. Musi |
| B. Krishna | 2. Tawa |
| C. Narmada | 3. Bhavani |
| D. Cauvery | 4. Dikhow |
- Codes:
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 4 | 2 | 1 | 3 |
| (b) | 4 | 1 | 2 | 3 |
| (c) | 3 | 2 | 1 | 4 |
| (d) | 3 | 1 | 2 | 4 |
27. Which one of the following is the oldest mountain range in India ?
 (a) Himalayas (b) Aravali
 (c) Satpura (d) Nilgiri
28. Which one of the following longitudes determines the Indian Standard Time ?
 (a) 85.5°E (b) 86.5°E
 (c) 84.5°E (d) 82.5°E
29. Match List-I with List-II and select the correct answer using the codes given below the Lists
- | | |
|--------------------|----------------|
| A. Zoli La Pass | 1. Sikkim |
| B. Bara Lacha Pass | 2. Uttarakhand |
- | | |
|------------------|----------------------|
| C. Jelep La Pass | 3. Himachal Pradesh |
| D. Niti Pass | 4. Jammu and Kashmir |
- Codes:
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 4 | 1 | 3 | 2 |
| (b) | 2 | 3 | 1 | 4 |
| (c) | 4 | 3 | 1 | 2 |
| (d) | 2 | 1 | 3 | 4 |
30. In which one of the following is lands of India is an active volcano found ?
 (a) Car Nicobar Island
 (b) Nancowry Island
 (c) Barren Island
 (d) Maya Bunder Island
31. With reference to the Constitution of India, which one of the following pairs is not correctly matched
- | Subject | List |
|--------------------------|---------------------|
| (a) Stock Exchanges | The State List |
| (b) Forest | The Concurrent List |
| (c) Insurance | The Union List |
| (d) Marriage and Divorce | The Concurrent List |
32. Which of the following is not a recommendation of the Ashok Mehta Committee on Panchayati Raj ?
 (a) Open participation of political parties in Panchayati Raj affairs
 (b) Creation of a three-tier system
 (c) Reservation of seats for Scheduled Castes and Scheduled Tribes
 (d) Compulsory powers of taxation to Panchayati Raj institution
33. In which one of the following Minsitries the census organisation has been functioning on a permanent footing since 1961 ?
 (a) Health and Family Welfare
 (b) Home Affairs
 (c) Social Justice and Empowerment
 (d) Human Resource Development
34. Consider the following Vice-Presidents of India

17 ½ Solved Paper

1. V. V. Giri2. M. Hidayatullah
3. B.D. Jatti 4. G.S. Pathak
- Which one of the following is the correct chronology of their tenures ?
(a) 1-4-3-2 (b) 2-1-3-4
(c) 3-2-1-4 (d) 4-1-3-2
35. Whose philosophy is called the Advaita ?
(a) Ramanujacharya (b) Shankaracharya
(c) Nagarjuna (d) Vasumitra
36. Who among the the following was the founder of the Muslim League ?
(a) Muhammad Ali Jinnah
(b) Shaukat Ali
(c) Nawab Salimullah
(d) Aga Khan
37. In Buddhism, what does Patimokkha stand for ?
(a) A description of Mahayana Buddhism
(b) A description of Hinayana Buddhism
(c) The rules of the Sangha
(d) The questions of king Menander
38. Who among the following was not a party to the league that was defeated by the British in the Battle of Buxar ?
(a) Shuja-ud-daulah (b) Shah Alam
(c) Mir Jafar (d) Mir Kasim
39. In which of the following years was the first Railway line between Bombay and Thane laid ?
(a) 1853 (b) 1854
(c) 1856 (d) 1858
40. What is the correct sequence of the following events ?
1. Bardoli Satyagraha
2. Rajkot Satyagraha
3. Champaran Satyagrah
4. Nagpur Satyagraha
- Select the correct answer using the code given below.
(a) 1-2-4-3 (b) 4-3-1-2
(c) 3-1-4-2 (d) 3-4-1-2
41. Who among the following Urdu poets was invited to the Second and Third Round Table Conference ?
(a) Faiz Ahmad Faiz
(b) Josh Malihabadi
(c) Muhammad Iqbal
(d) Firaq Gorakhpuri
42. Match List-I with List-II and select the correct answer using the codes given below the Lists
- | | |
|----------------------|------------------------------|
| A. G.K. Gokhale | 1. Servants of India Society |
| B. M.M. Malaviya | 2. Benaras Hindu University |
| C. C. Rajgopalachari | 3. Free India Society |
| D. V.D. Savarkar | 14. Swatantra Party |
- Codes:
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 1 | 2 | 4 | 3 |
| (b) | 3 | 4 | 2 | 1 |
| (c) | 1 | 4 | 2 | 3 |
| (d) | 3 | 2 | 4 | 1 |
43. Who among the following was thrice elected President of the Indian National Congress?
(a) Dadabhai Naoroji
(b) Surendranath Banerjee
(c) Gopal Krishna Gokhale
(d) Shankaran Nair
44. Who among the following has started the Public Works Department in India in AD 1848 ?
(a) Lord William Bentinck
(b) Lord Dalhousie
(c) Lord Wellesley
(d) Lord Cornwallis
45. Under which one of the following systems of assessment, the British Government collected revenue directly from the farmers?
(a) Zamindari (b) Ryotwari
(c) Annawari (d) Desaiwari

18 ½ Solved Paper

46. What is the correct sequence of the following events ?
1. Rowlatt Act
2. Gandhi-Irwin Pact
3. Morley-Minto Reforms 4. Illbert Bill
Select the correct answer using the codes given below:
(a) 1-2-4-3 (b) 4-3-1-2
(c) 4-1-3-2 (d) 3-4-1-2
47. Who among the following was not a member of the Cabinet Mission ?
(a) Sir Stafford Cripps
(b) A. V. Alexander
(c) Radcliffe
(d) Pethwick Lawrence
48. Which one of the following was the original name of Tansen, the famous musician in the court of Akbar ?
(a) Mahananda Pande
(b) Lal Kalwant
(c) Baz Bahadur
(d) Ramtanu Pande
49. Who among the following has issued the coin rupee for the first time ?
(a) Muhammad-bin-Tughluq
(b) Alauddin Khilji
(c) Sher Shah
(d) Akbar
50. In appreciation of his environmental research' and campaigns, space agency NASA has recently named a minor planet after whom among the following ?
(a) Sainudeen Pattazhy
(b) Anil Agarwal
(c) Sunita Narayan (d) R. K. Pachauri
51. Consider the following statements about Comprehensive Test Ban Treaty (CTBT)
1. The treaty comes into force only if and when all nuclear capable countries sign it.
2. Iraq and India have not signed the treaty.
Which of the statements given above is/are correct ?
(a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
52. Which one of the following countries has recently tested a two-stage satellite launch rocket named the Safir-e-Omid or the Ambassador of Peace ?
(a) Irsael (b) Iran
(c) Pakistan (d) Turkey
53. Which one of the following countries has adopted a nevi Constitution in the year 2008 aiming to pursue a modern, multi-party, democratic system and giving more power to the judiciary and legislature ?
(a) Japan (b) Bhutan
(c) Maldives (d) Singapore
54. Which one of the following Committees/ Commissions was formed to study and suggest pricing pattern for oil and natural gas sectors in India ?
(a) B. K Chaturvedi Committee
(b) Sachar Committee
(c) B.N. Srikrishna Commission
(d) M. Veerapa Moily Commission
55. Which one of the following countries has recently carried out military operations in Georgia
(a) USA (b) Poland
(c) Russia (d) Kyrgyzstan
56. Which one of the following books had been named as winner of the Best of the Booker Award in 2008 ?
(a) The Enchantress of Florence
(b) Disgrace
(c) Midnight's Children
(d) The Siege of Krishnapur
57. Who among the following is the first man (after Bjorn Borg in 1990) to win the French Open and Wimbledon Singles Title back to back ?
(a) Rafael Nadal (b) Roger Federer
(c) John McEnroe (d) Daniel Nestor
58. Who among the following had won the Wimbledon Women's Singles Title, 2008 ?
(a) Ana Ivanovic
(b) Maria Sharapova
(c) Serena Williams (d) Venus Williams

19 ½ Solved Paper

59. Match List-I with List-II and select the correct answer using the codes given below the Lists
- | List (city) | List-II (Stadium) | | | |
|---------------|-------------------|----------------|--|--|
| (a) Bengaluru | 1. | Sawai Mansingh | | |
| (b) Chennai | 2. | Sardar Patel | | |
| (c) Motera | 3. | Chinnaswami | | |
| (d) Jaipur | 4. | Chidambaram | | |
- Codes:
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 1 | 2 | 3 | 4 |
| (b) | 3 | 4 | 2 | 1 |
| (c) | 1 | 3 | 2 | 4 |
| (d) | 3 | 2 | 4 | 1 |
60. Which one of the following pairs is not correctly matched ?
- | Country | Currency |
|--------------|----------|
| (a) Brazil | Reais |
| (b) China | Yuan |
| (c) Mexico | Pesos |
| (d) Thailand | Ringgit |
61. Which one of the following is heavy water used in nuclear reactor ?
- Water having molecular weight 18 amu
 - Water having molecular weight 20 amu
 - Water at 4°C but having molecular weight 19 amu
 - Water below the ice in a frozen sea
62. The rusting of iron nail
- decreases its weight
 - increases its weight
 - Does not affect weight but iron is oxidised
 - does not affect weight but iron is reduced
63. Which one of the following when dissolved in H₂O gives
- | | |
|---------------|------------------|
| (a) Limestone | (b) Slacked lime |
| (c) Soda lime | (d) Quicklime |
64. In which one of the following is higher percentage of carbon found ?
- Lignite coal
 - Peat coal
 - Bituminous coal
 - Anthracite coal
65. Commercial vulcanisation of rubber involves
- sulphur
 - carbon
 - carbon phosphorus
 - selenium
66. Aqua regia used by alchemists to separate silver and gold is a mixture of
- hydrochloric acid (concentrated) and nitric acid (concentrated)
 - hydrochloric acid (concentrated) and sulphuric acid (concentrated)
 - nitric acid (concentrated) and sulphuric acid (concentrated)
 - hydrochloric acid (dilute) and sulphuric acid (dilute)
67. Which one of the following is the tide produced as a consequence of moon and sun pulling the earth in the same direction ?
- Spring tide
 - Neap tide
 - High tide
 - Low tide
68. Match List-I with List-II and select the correct answer using the codes given below the Lists
- | List
(Vitamin) | List-II
(Chemical Compound) |
|---------------------------|--------------------------------|
| A. Vitamin A | 1. Thiamin |
| B. Vitamin B ₁ | 2. Retinol |
| C. Vitamin C | 3. Ascorbic acid |
| D. Vitamin E | 4. Tocopherol |
- Codes:
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 4 | 1 | 3 | 2 |
| (b) | 2 | 3 | 1 | 4 |
| (c) | 4 | 3 | 1 | 2 |
| (d) | 2 | 1 | 3 | 4 |
69. Which one of the following is a medium range surface to air missile ?
- Trishul
 - Nag
 - Prithvi
 - Akash
70. Which one of the following is an object with such a strong gravitational field that even light cannot escape from its surface ?
- Neutron star
 - White dwarf
 - Black hole
 - Supernova star

20 ½ Solved Paper

71. Because of which one of the following factors, clouds do not precipitate in deserts?
 (a) Low pressure
 (b) Low humidity
 (c) High wind velocity
 (d) High temperature
72. Television signal cannot be received generally beyond a particular distance due to
 (a) curvature of the earth
 (b) weakness of antenna
 (c) weakness of signal
 (d) absorption of signal in air
73. If a small raindrop falls through air
 (a) its velocity goes on increasing
 (b) its velocity goes on decreasing
 (c) its velocity goes on increasing for some time and then becomes constant
 (d) it falls with constant speed for some time and then its velocity increases
74. Consider the following statements X-rays
 1. can pass through aluminum.
 2. can be deflected by magnetic field.
 3. move with a velocity less than the velocity of ultraviolet rays in vacuum.
 Which of the statements given above is/are correct ?
 (a) 1, 2 and 3 (b) 1 only
 (c) 2 and 3 (d) 1 and 2
75. In which of the following years was General Agreement on Tariffs and Trade (GATT) absorbed into the World Trade Organisation (WTO) ?
 (a) 1991 (b) 1995
 (c) 2000 (d) 2005
76. Who among the following was the first Speaker of the Lok Sabha ?
 (a) M. A. Ayyangar
 (b) G. V. Mavalankar
 (c) Sardar Hukam Singh
 (d) N. Sanjiva Reddy
77. Which one of the following is the correct chronological order of the tenures of the following Presidents of Indian National Congress ?
 (a) Jagjivan Ram (b) K. Kamaraj
 (c) P.D. Tandon (d) U. N. Dhebar
- Select the correct answer using the codes given below:
 (a) 1-2-4-3 (b) 2-3-4-1
 (c) 3-4-2-1 (d) 3-4-1-2
78. In which of the following years was the All-India Trade Union Congress formed in Bombay
 (a) 1918 (b) 1919
 (c) 1920 (d) 1921
79. According to Article 164(1) of the Constitution of India, in three States there shall be a Minister in charge of tribal welfare who may in addition be in charge of the welfare of the Scheduled Castes and Backward Classes. Which one of the following States is not covered by the Article?
 (a) Jharkhand (b) Punjab
 (c) Madhya Pradesh (d) Orissa
80. Who among the following was elected as the President of All-India Khilafat Conference met at Delhi in 1919 ?
 (a) Motilal Nehru
 (b) Mahatma Gandhi
 (c) M.A. Jinnah
 (d) Shaukat Ali
81. Match List-I with List-II and select the correct answer using the codes given below the Lists
- | List-I
(Provision of the
Constitution of India) | List-II
(Source) |
|---|---------------------------------|
| A. Amendment of the Constitution | 1. Constitution of Germany |
| B. Directive Principles | 2. Constitution of Canada |
| C. Emergency Power of the President | 3. Constitution of South Africa |
| D. The Union-State Relations | 4. Irish Constitution |

21 ½ Solved Paper

Codes:

	A	B	C	D
(a)	1	2	4	3
(b)	3	4	1	2
(c)	1	4	2	3
(d)	3	1	4	2

82. Consider the following statements with respect to the Attorney General of India

1. He is appointed by the President.
2. He must have the same qualifications as are required by a Judge of High Court.
3. In the performance of his duties he shall have the right of audience in all courts of India.

Which of the statements given above is/are correct ?

- (a) 1 only (b) 1 and 3
(c) 2 and 3 (d) 1, 2 and 3

83. In which of the following years the Fundamental Duties have been added to the existent Fundamental Rights in the Constitution of India ?

- (a) 1965 (b) 1976
(c) 1979 (d) 1982

84. Who among the following was not a member of the Constituent Assembly ?

- (a) Sardar Vallabhbhai Patel
(b) Acharya J.B. Kriplani
(c) Lok Nayak Jayprakash Narayan
(d) K. M. Munshi

85. Which one of the following is the largest Committee of the Parliament ?

- (a) The Public Accounts Committee
(b) The Estimates Committee
(c) The Committee on Public Undertakings
(d) The Committee on Petitions

86. Who among the following had moved the objectives resolution which formed the basis of the Preamble of the Constitution of India in the Constituent Assembly on December 13, 1946 ?

- (a) Dr. B.R. Ambedkar
(b) Dr. Rajendra Prasad
(c) Sardar Vallabhbhai Patel
(d) Pt. Jawaharlal Nehru

87. Nail polish remover contains

- (a) acetone (b) benzene
(c) petroleum ether (d) acetic acid

88. Who among the following recommends to the Parliament for the abolition of the Legislative Council in a State ?

- (a) The President of India
(b) The Governor of the concerned State
(c) The Legislative Council of the concerned State
(d) The Legislative Assembly of the concerned State

89. Which one among the following States has the highest gender disparity ?

- (a) Orissa (b) Uttar Pradesh
(c) Haryana (d) Maharashtra

90. The head of a district (Ahara), the principal coordinator of the revenue and the officer in charge of general and military functions in his jurisdiction during Mauryan Empire was known as

- (a) Krori (b) Rajuka
(c) Foujdar (d) Chirastadar

Directions: The following five (5) items consist of two statements, one labelled as Assertion (A) and the other as Reason (R). You are to examine these two statements carefully and select the correct answers to these items using the codes given below.

Codes:

- (a) Both A and R are individually true and R is the correct explanation of A
(b) Both A and R are individually true, but R is the correct explanation of A
(c) A is true, but R is false
(d) A is false, but R is true

91. Assertion (A): Soaps do not form lather with water containing salts of calcium and magnesium.

Reason (R): Calcium and magnesium salts of long-chain fatty acids are insoluble in water.

92. Assertion (A): Water in an open pond remains cool even on a hot summer day.

22 ½ Solved Paper

Reason (R): Water on heating evaporates and heat energy gets converted into latent heat.

93. Assertion (A): Physiological density is preferable to arithmetic density as an index of population density.

Reason (R): Physiological density is based on arable land while arithmetic density is based on total area.

94. Assertion (A): Despite low evaporation and stable stratification of the atmosphere, salinity is high in polar regions.

Reason (R): Sea water freezes leaving the remaining water saline than before.

95. Assertion (A): Venus is the brightest object in the sky after the sun.

Reason (R): Venus is the second planet from the sun in our solar system.

96. Which one of the following is considered as the drug of last resort for human beings ?

(a) Penicillin (b) Tetracycline
(c) Chloramphenicol (d) Streptomycin

97. 'A Forgotten Empire', written by the renowned historian Robert Sewell is about which one of the following Empires ?

(a) Kushan Empire (b) Mauryan Empire
(c) Vijayanagar Empire
(d) Mughal Empire

98. Match List-I with List-II and select the correct answer using the codes given below the Lists

List-I (Medicinal Product)	List-II (Source)
A. Quinine	1. Poppy plant
B. Morphine	2. Bacterium
C. Penicillin	3. Cinchona bark
D. Tetracycline	4. Fungus

Codes:

	A	B	C	D
(a)	3	4	1	2
(b)	2	3	1	4
(c)	3	1	4	2
(d)	2	1	3	4

99. Consider the following regions of India

1. Western Ghats 2. Arvali Hills

3. Eastern Himalayas

Which of the above is/are biodiversity hot spot/hot spots ?

(a) 1 only (b) 1 and 3
(c) 2 and 3 (d) 1, 2 and 3

100. Wavelengths of which of the following colours of the visible spectrum of light are maximally absorbed by green plants ?

(a) Green and Yellow (b) Red and Blue
(c) Green and Red (d) Blue and Yellow

101. The 'Red Data Book' containing information on all wild plants and animals in danger of extinction has been published by which one of the following ?

(a) International Union for Conservation of Nature and Natural Resources (IUCN)
(b) World Wildlife Fund ('WWWF')
(c) World Conservation Union (WCU)
(d) United Nations Environment Programme (UNEP)

102. Which one of the following plants is preferred for mixed cropping in order to enhance the bioavailability of nitrogen ?

(a) Wheat (b) Gram
(c) Maize (d) Barley

103. The plant dye Henna imparts orange-red colour to skin and hairs due to its reaction with which of the following ?

(a) Proteins and amino acids
(b) Lipids
(c) Carbohydrates (d) Nucleic acids

104. Which one of the following is categorised as millet ?

(a) Wheat (b) Rice
(c) Sorghum (d) Maize

105. Consider the following statements

1. National Parks are a special category of protected areas of land and sea coasts where people are an integral part of the system.
2. Sanctuaries are concerned with conservation of particular species.
3. Biosphere Reserves are connected with the habitat of a particular wild animal.

23 ½ Solved Paper

- Which of the statements given above is/are correct ?
(a) 1, 2 and 3 (b) 2 only
(c) 1 and 2 (d) 1 and 3
106. The genetically engineered 'Golden Rice' is rich in which of the following ?
(a) Vitamin A and nicotinic acid
(b) β -carotene and folic acid
(c) β -carotene and iron
(d) Vitamin A and niacin
107. Bryophytes are photosynthetic but do not have vascular tissue and true roots. This feature enables them to resemble with which of the following ?
(a) Fungi (b) Algae
(c) Pteridophytes (d) Angiosperms
108. Which one of the following is the first National Park established in India ?
(a) Bandipur (b) Corbett
(c) Velavadar (d) Periyar
109. Which one of the following is the permissible level of noise in a silent zone at daytime ?
(a) 50 dB (b) 60 dB
(c) 65 dB (d) 75 dB
110. Which one of the following is associated with the formation of brown air in traffic congested cities ?
(a) Sulphur dioxide (b) Nitrogen oxide
(c) Carbon dioxide (d) Carbon monoxide
111. Which one of the following is a freeliving bacterium that helps in nitrogen fixation in soil ?
(a) Azotobacter (b) Anabaena
(c) Azolla (d) Nostoc
112. Which one of the following is an example of vestigial organ in man ?
(a) Jaw apparatus (b) Ear muscles
(c) Canine teeth (d) Humerus
113. Which one of the following zones of the atmosphere is rich in ozone gas ?
(a) Mesosphere (b) Troposphere
(c) Stratosphere (d) Ionosphere
114. What is the correct chronological order of conferring Bharat Ratna to the following ?
1. M.S. Subbalakshmi
2. Professor Amartya Sen
3. Dr. A. P. J. Abdul Kalam
4. Sushri Lata Dinanath Mangeshkar
Select the correct answer using the codes given below:
(a) 1-2-3-4 (b) 3-1-2-4
(c) 2-1-4-3 (d) 4-3-1-2
115. Which one of the following feature films is official nominee for Oscar, 2008 from India?
(a) Rock on (b) Walu
(c) Drona (d) Tare Jamin Par
116. In which one of the following places was Asia's first Export Processing Zone (EPZ) set up ?
(a) Santa Cruz (b) Kandla
(c) Cochin (d) Surat
117. Which one of the following petroleum refinery products has the lowest boiling point ?
(a) Kerosene (b) Diesel
(c) Gasoline (d) Lubricating oil
118. Which one of the following characteristics is common among parrot, platypus and kangaroo ?
(a) Oviparity (b) Toothless jaws
(c) Homothermy
(d) Functional postanal tail
119. By which one of the following, an old written material which cannot be read easily, can be read ?
(a) γ -rays (b) X-rays
(c) IR-rays
(d) Radiofrequency waves
120. Which one of the following is used as a mordant in dyeing and tanning industry ?
(a) Magnesium oxide
(b) Magnesium carbonate
(c) Magnesium chloride
(d) Magnesium sulphate

24 ½ Solved Paper

ANSWERS

1. (c)	2. (a)	3. (a)	4. (c)	5. (d)	6. (d)	7. (b)	8. (a)	9. (a)	10. (d)
11. (a)	12. (d)	13. (b)	14. (b)	15. (b)	16. (a)	17. (b)	18. (c)	19. (d)	20. (c)
21. (a)	22. (a)	23. (a)	24. (d)	25. (d)	26. (b)	27. (b)	28. (d)	29. (c)	30. (c)
31. (a)	32. (b)	33. (a)	34. (a)	35. (b)	36. (d)	37. (c)	38. (c)	39. (a)	40. (d)
41. (c)	42. (a)	43. (a)	44. (b)	45. (a)	46. (b)	47. (c)	48. (d)	49. (c)	50. (a)
51. (b)	52. (b)	53. (b)	54. (a)	55. (c)	56. (c)	57. (a)	58. (d)	59. (b)	60. (d)
61. (b)	62. (b)	63. (d)	64. (d)	65. (a)	66. (a)	67. (c)	68. (d)	69. (d)	70. (c)
71. (b)	72. (c)	73. (c)	74. (c)	75. (b)	76. (b)	77. (c)	78. (c)	79. (b)	80. (b)
81. (b)	82. (b)	83. (b)	84. (c)	85. (b)	86. (d)	87. (c)	88. (d)	89. (c)	90. (b)
91. (a)	92. (a)	93. (d)	94. (d)	95. (b)	96. (a)	97. (c)	98. (c)	99. (d)	100. (b)
101. (a)	102. (b)	103. (a)	104. (c)	105. (b)	106. (a or d)	107. (b)	108. (b)	109. (c)	110. (b)
111. (a)	112. (b)	113. (c)	114. (b)	115. (d)	116. (b)	117. (c)	118. (d)	119. (c)	120. (d)