

# General Studies (Prelims) Paper- 1990

Q1. Who among the following was a revolutionary who later turned into a yogi and philosopher ?

- (a) Bal Gangadhar Tilak
- (b) Aurobindo Ghosh
- (c) Lala Lajpat Rai
- (d) Agarkar

Q2. In 1989, Bahadur Prasad broke a two-decade old national athletics record established earlier by

- (a) Milkha Singh
- (b) Edward Sequeira
- (c) Shriram Singh
- (d) Shivnath Singh

Q3. Matriarchal system obtains among the

(a) Nagas, Nairs and Meenas

(b) Nairs and Khasis

(c) Bhils, Nairs and Khasis

(d) Nagas and Khasis

Q4. Who among the following was not a 'no changer' ?

(a) Dr. Ansari

(b) Dr. Rajendra Prasad

(c) Sardar Patel

(d) Motilal Nehru

Q5. The conversion of electrical energy into chemical energy is observed in

(a) Fan

(b) Heater

(c) Incandescent bulb

(d) Storage battery

Q6. Identify the leader of the Opposition in the 8th Lok Sabha :

(a) V.P. Singh

(b) Madhu Dandavate

(c) Rajiv Gandhi

(d) None of the above

Q7. Consider the following events :

1. Economic Integration of Europe.

2. Transfer of Hong Kong to China.

3. U.S. Presidential Election.

4. NAM Summit

The events expected to take place in 1991 include

(a) 1, 3 and 4

(b) 1, 2 and 4

(c) 2, 3 and 4

(d) 1, 2 and 3

Q8. Stock-farming refers to

(a) Accent on agricultural production to build a buffer stock.

(b) Cooperative farming.

(c) Farming concentrating on the rearing of cattle and sheep.

(d) Large scale capital-intensive commercial farming.

Q9. Given below are colours of the visible spectrum. Identify the correct sequence in order of increasing wavelengths.

(a) Red, Yellow, Blue, Violet

(b) Violet, Yellow, Blue, Red

(c) Blue, Yellow, Red, Violet

(d) Violet, Blue, Yellow, Red

Q10. The I.N.A. was organised by Netaji Subhash Chandra Bose at

(a) Rangoon

(b) Singapore

(c) Taiwan

(d) Tokyo

Q11. Which one of the following is the main cause of the low productivity of rice in India?

(a) Low yielding varieties

(b) High incidence of pests

(c) Low fertility of soils

(d) Low market price

Q12. Thematurity of a river course is recognised by the presence of

- (a) V-shaped valley
- (b) Meanders
- (c) Gorges
- (d) High denudational power

Q13. Which one of the following is not a satellite of Jupiter ?

- (a) Io
- (b) Callisto
- (c) Europa
- (d) Titan

Q14. Match List I with List II and select the correct answer using the codes given below them :

*List I*

*List II*

*(Social Reformers of Modern India)*

*(Their contributions)*

- A. Kesab Chandra Sen
- B. Henry Vivian Derazio
- C. Gopal Hari Deshmukh
- D. Devendranath Tagore

- 1. Young Bengal Movement
- 2. Param Hansa Mandali
- 3. Sadharan Brahma Samaj
- 4. Tatvabodhini Sabha

- (a) 3 2 4 1

(b) 1 2 3 4

(c) 4 2 1 3

(d) 3 1 2 4

Q15. G-7 refers to a group of

(a) Less-developed countries within the UNCTAD.

(b) Developed countries within the World Bank.

(c) Developed countries within the IMF.

(d) Less-developed countries within the UN.

Q16. The evidence for the rotation of stars comes mainly from the

(a) Doppler effect

(b) Photoelectric effect

(c) Stark effect

(d) Zeeman effect

Q17. Consider the following pairs :

*Person*

*Field of activity*

1. Subramania Bharati

Literature

2. Mokshagundan Visvesvaraya

Medicine

3. Jamsetji Tata Nusserwanji

Engineering and Planning

4. Rabanindra Nath Tagore      Painting

Of these pairs

- (a) 1, 2, 3, 4 are correctly matched.
- (b) 1 and 2 are correctly matched.
- (c) 1 and 4 are correctly matched.
- (d) 2, 3 and 4 are correctly matched.

Q18. Consider the following sessions of the Indian National Congress :

The session in which

1. The Muslim League and the Indian National Congress met jointly.
2. The Indian National Congress divided into two groups.
3. The resolution for "Complete Independence" was passed.
4. The Non-cooperation resolution was passed.

The correct chronological sequence of these sessions is

- (a) 3 — 4 — 1 — 2
- (b) 2 — 1 — 4 — 3
- (c) 1 — 2 — 4 — 3

(d) 1 — 2 — 3 — 4

Q19. Calderais a feature associated with

(a) Volcanoes

(b) Earthquakes

(c) Folding of rocks

(d) Faulting of mountains

Q20. Consider the following events in Indian Freedom Movement :

1. Singh Sabha Movement

2. Quit India Movement

3. Dandi March

4. Gurdwara Reform Movement

The correct chronological sequence of these events is

(a) 1 — 4 — 3 — 2

(b) 4 — 1 — 2 — 3

(c) 2 — 3 — 4 — 1

(d) 3 — 2 — 1 — 4

Q21. "Super301" envisages retaliatory action by the United States of



America against the countries it believes to be

- (a) Violating human rights.
- (b) Involved in the production and distribution of narcotics.
- (c) Against free enterprise.
- (d) Blocking free international trade practices.

Q22. Paraffin is a by-product of

- (a) Petroleum refining
- (b) Processing of agricultural wastes
- (c) Cottage industries involving beekeeping
- (d) Leather industry

Q23. Consider the following events :

1. Hunter Commission
2. Charles Wood's Despatch
3. Sadler Commission
4. Raleigh Commission

Their correct chronological sequence is

- (a) 3 — 2 — 1 — 4

(b) 2 — 1 — 4 — 3

(c) 1 \_ 4 — 3 — 2

(d)4 — 3 — 2 — 1

Q23. The people of Hong Kong have come mostly from

(a) Vietnam

(b) China

(c) Cambodia

(d) Thailand

Q25. Consider the following statements regarding “booth capturing” in an election:

1. It has been defined in the Constitution of India after the 61st Amendment.
2. It includes the seizure of and taking possession of a polling booth to prevent the orderly conduct of elections.
3. It is also committed when any elector is threatened and prevented from going to the polling station to cast his vote.
4. It has been declared a cognisable offence punishable by imprisonment.

Of these statements

(a) 2, 3 and 4 are correct

(b) 1, 2 and 3 are correct

(c) 2 and 3 are correct

(d) 1, 2, 3 and 4 are correct

Q26. Match List I with List II and select the correct answer using the codes given below them :

*List I*

*List II*

(Place)

(Importance)

- |                |                              |
|----------------|------------------------------|
| A. Bhubaneswar | 1. Vijayanagara architecture |
| B. Konark      | 2. Rajarani temple           |
| C. Lepakshi    | 3. Vijayanagara paintings    |
| D. Halebid     | 4. Hoysala monument          |
|                | 5. Sun temple                |

(a) 3 2 4 5

(b) 2 5 4 3

(c) 5 4 2 3

(d) 2 5 3 4

Q27. If the difference in time of the two places is 2 hours and 20 minutes, then the difference in their longitudes would be

(a) 30°

(b) 35°

(c) 40°

(d) 45°

Q28. Match List I with List II and select the correct answer using the codes given below them :

*List I*

*(Books)*

A. India Today

B. India Unrest

C. Geeta Rahasya

D. A Bunch of Old Letters

*List II*

*(Authors)*

1. Valentine Chirol

2. B.G. Tilak

3. Jawaharlal Nehru

4. Rajni Palme Dutt

5. Mahatma Gandhi

(a) 4 1 2 3

(b) 5 4 2 3

(c) 3 4 5 1

(d) 4 1 3 5

Q29. For developing inbred lines in farm animals, following factors are taken into consideration :

1. The crossbreds should be of outstanding type.
2. They should not carry any detrimental genes.

3. Progeny tested animals.
4. Herd size should be large.

Of the statements given above, which one of the following combinations of factors is most essential ?

- (a) 1 and 3
- (b) 2 and 3
- (c) 1 and 4
- (d) 2 and 4

Q30. Which of the following features are associated with the architecture of Tughlaq period? Select the correct answer using the codes given below the features.

1. Sloping walls.
2. Deliberate attempt to combine the principles of the arch, the lintel and the beam in the buildings.
3. Placing the buildings especially the tombs on a high platform.

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

Q31. Which of the following is a cash crop ?

- (a) Groundnut
- (b) Wheat
- (c) Rice
- (d) Gram

Q32. Consider the following pairs :

Vaisnava Saints Region of strong following

1. Ramanujacharya — South India
2. Chaitanya — Central India
3. Vallabhacharya — Gujarat and Braj area
4. Ramanand — North India

Of these pairs :

- (a) 1, 2 and 3 are correctly matched
- (b) 2, 3 and 4 are correctly matched
- (c) 1 and 4 are correctly matched
- (d) 1, 3 and 4 are correctly matched

Q33. Consider the following public sector undertakings :

1. Oil and Natural Gas Commission
2. Indian Oil Corporation
3. Bharat Heavy Electricals Ltd.
4. Steel Authority of India Ltd.

The correct decreasing order of the sales of these undertakings for the year 1988 is

- (a) 1 — 2 — 3 — 4
- (b) 4 — 3 — 2 — 1
- (c) 2 — 1 — 4 — 3
- (d) 3 — 4 — 1 — 2

Q34. Who among the following was not a writer of legal texts ?

- (a) Yajnavalkya
- (b) Manu
- (c) Narada
- (d) Bharavi

Q35. The first country in the Eastern Bloc to have a popularly elected government in 1989 was

- (a) Bulgaria

(b) Czechoslovakia

(c) Hungary

(d) Poland

Q36. At present, India's share of the world exports of tea is

(a) More than 40%.

(b) Between 30% and 35%.

(c) Between 10% and 20%.

(d) About 10% or less.

Q37. Consider the following European missions during the Mughal period :

1. Thomas Roe

2. Tavernier

3. Rudolf Acquaviva

The correct chronological order of their visits is

(a) 1 — 2 — 3

(b) 2 — 3 — 1

(c) 2 — 1 — 3



(d)3 — 1 — 2

Q38. The following figure represents atmospheric pressure in millibars.

It is an example of

(a) Anticyclone

(b) Cyclone

(c) Cold front

(d) Warm front

Q39. Match List I with List II and select the correct answer using the codes given below them :

*List I*

*List II*

(Works)

(Authors)

A. Dayabhaga 1. Harsha

B. Mitakshara 2. Jimutavahana

C. Nagananda 3. Krittivasa

D. Ramayana 4. Vijnanesvara

(a) 2 3 1 4

(b) 2 4 1 3

(c) 4 2 3 1

(d) 4 1 2 3

Q40. The Second Round Table Conference was held in

- (a) 1930
- (b) 1931
- (c) 1932
- (d) 1935

Q41. The coal mining areas of the Damodar Valley region include

- (a) Korba, Sonhat and Raigarh
- (b) Singareni, Tandur and Sasti
- (c) Raniganj, Jharia and Giridih
- (d) Talcher, Ghanda and Sambalour

Q42. Match List I with List II and select the correct answer using the codes given below them :

*List I*

*List II*

- |              |                                  |
|--------------|----------------------------------|
| A. Nagarjuna | 1. Founder of Kalmukha Sect      |
| B. Lakulisho | 2. Founder of Vira Saivism       |
| C. Sankara   | 3. Founder of Advaita philosophy |
| D. Basava    | 4. Founder of Madhyamika         |
|              | 5. Propagator of Pasupata Sect   |

- (a) 4 5 3 2

(b) 3 1 5 4

(c) 2 1 4 3

(d) 1 2 3 4

Q43. Consider the following commodities :

1. Tea
2. Cotton cloth
3. Cereals
4. Edible oils
5. Sugarcane

Among these, whose per capita availability has remained more or less static between 1980-81 and 1987-88 in India ?

(a) 1, 2 and 3

(b) 1, 2, 3 and 4

(c) 1, 4 and 5

(d) 2, 3, 4 and 5

Q44. Consider the following film personalities :

1. Jamuna

2. Vyjayantimala

3. Sunil Dutt

4. G. Krishna Reddy

Among these, who were successful in the 1981 Lok Sabha elections ?

(a) 2 and 3 on Congress (I) ticket and 1 and 4 on Telugu Desam ticket

(b) 1, 2 and 3 on Congress (I) ticket and 4 on Telugu Desam ticket

(c) 1, 2 and 4 on Congress (I) ticket and 3 on Janata Dal ticket

(d) 1, 2, 3 and 4 on Congress (I) ticket

Q45. Consider the following pairs :

*Constitutional Subject Amendment*

- |         |                           |
|---------|---------------------------|
| 1. 52nd | Anti-Defection Law        |
| 2. 56th | Statehood for Goa         |
| 3. 59th | Emergency in Punjab       |
| 4. 62nd | Reservation for Scheduled |

Castes and Tribes in services

(a) 1, 2 and 3 are correctly matched.

(b) 3 and 4 are correctly matched.

(c) 1, 2, 3 and 4 are correctly matched.

(d) 2, 3 and 4 are correctly matched.

Q46. Important oil fields of the Brahmaputra Valley include

(a) Digboi and Kilboi

(b) Lunej and Ankhleshwar

(c) Badarpur and Masimpur

(d) Naharkatia and Moran

Q47. Assertion (A) :

India is one of the leading fishing countries in the world.

Reason (R) :

India has a long coastline and a large fish-eating population.

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not a correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

Q48. Assertion (A) :

A tennis ball will bounce higher in Calcutta than it would in Shimla.

Reason (R) :

The downward pull due to gravity is less and air is more rarefied in Shimla than in Calcutta.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not a correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

Q49. Assertion (A) :

The Panamanian dictator General Noriega was ousted by the Bush Administration.

Reason (R) :

General Noriega was secretly negotiating with the Soviet Union for setting up defence installations.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not a correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

Q50. Assertion (A) :

When a ship moves from the sea water into fresh water of a river, the ship will relatively sink.

Reason (R) :

The density of sea water is higher than that of the fresh water.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not a correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

Q51. Assertion (A) :

Unlike photographic film, which can be used only once, video tapes can be reused several times.

Reason (R) :

Photography involves chemical change but video recording is a physical change.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not a correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

Q52. Assertion (A) :

Activated charcoal is used for decolourising sugar solution.

Reason (R) :

Activated charcoal absorbs the impurities on its surface.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not a correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

Q53. Assertion (A) :

Panchayati Raj institutions were set up to decentralise planning to village level.

Reason (R) :

Village panchayats are in a better position to have a proper appreciation of their developmental needs.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not a correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true



Q54. Which one of the following metros (underground railway system) has been adjudged by the Public Broadcasting System of the United States of America as the best in the world ?

- (a) Paris
- (b) Moscow
- (c) London
- (d) Calcutta

Q55. The Harappans did not know the use of

- (a) Bronze
- (b) Gold
- (c) Iron
- (d) Silver

Q56. The Vitamin containing cobalt is

Q57. Sunda Strait separates

- (a) Burma and Celebes
- (b) Java and Sumatra
- (c) Japan and Korea
- (d) Sicily and Italy

Q58. Anasteroid recently discovered by the scientists of Indian Institute ofAstrophysics has been named after

- (a) Venu Bapu
- (b) Indira Gandhi
- (c) C. V. Raman
- (d)S. Ramanujam

Q59. Considerthe following statements regarding a No-confidence Motion in the Parliament.

1. There is no mention of aNo-confidence Motion in the Constitution of India.
2. A period of six months must elapsebetween the introduction of one No-confidence Motion and the other.
3. At least 100 members must support aMotion of No-confidence before it is introduced in the House.
4. A motion of No-confidence can beintroduced in the Lok Sabha only.

Of these statements

- (a) 2 and 4 are correct
- (b) 1, 2, 3 and 4 are correct
- (c) 1, 2 and 3 are correct

(d) 1 and 4 are correct.

Q60. Ringworm is caused by

(a) Bacterium

(b) Fungus

(c) Virus

(d) Worm

Q61. Which one of the following was the contemporary Bengal king during the time of Harsha of Kannauj ?

(a) Bhaskaravarman

(b) Divakaramitra

(c) Devagupta

(d) Sasanka

Q62. Mohair is obtained from

(a) Angora goat

(b) Beetal goat

(c) Karakul sheep

(d) Lincoln sheep

Q63. Match List I with List II and select the correct answer using the codes given below them :

<i>List I</i>	<i>List II</i>
A. Udaipur	1. Lead
B. Gondwanaland	2. Tin
C. Kerala	3. Coal
D. Koderma	4. Ilmenite
	5. Mica

(a) 1 3 4 2

(b) 1 3 4 5

(c) 3 2 4 1

(d) 3 4 2 5

Q64. Match List I with List II and select the correct answer using the codes given below them :

<i>List I</i>	<i>List II</i>
<i>(Vectors)</i>	<i>(Diseases)</i>
A. Tsetse fly	1. Yellow fever
B. Aedes mosquito	2. Sleeping sickness
C. Water snail	3. Bilharzia
D. Sandflies	4. Typhoid
	5. Kala-azar

(a) 1 2 3 4

(b) 3 1 5 2

(c) 2 1 3 2

(d) 5 2 3 1

Q65. The First Buddhist Council met at

(a) Rajagriha

(b) Pataliputra

(c) Jalandhara

(d) Kashmir

Q66. India experienced a sharp decline in foodgrain production when compared to the previous year, during

(a) 1982-83, 1984-85 and 1986-87

(b) 1982-83, 1985-86 and 1987-88

(c) 1983-84, 1985-86 and 1986-87

(d) 1983-84, 1984-85 and 1987-88

Q67. Parliament or a State Legislature can declare a seat vacant if a member abstains himself without permission from the sessions for at least

(a) 30 days

(b) 60 days

(c) 90 days

(d) 120 days

Q68. Consider the following statements regarding bones in the human body :

1. They consist of 80% solid matter and 20% water.
2. Solid matter in the bones is made mainly of cartilage.
3. Impregnation of salts including carbonates and phosphates of lime imparts hardness to the bones.
4. In old age, the proportion of lime decreases and bones become brittle and break easily.

Of these statements :

(a) 1, 2 and 3 are correct

(b) 2 and 4 are correct

(c) 2 and 3 are correct

(d) 1, 2, 3 and 4 are correct

Q69. Zoji La is a Pass between

(a) Kashmir valley and Ladakh

- (b) Lahul valley and Spiti
- (c) Chumbi valley and Sikkim
- (d) Arunachal Pradesh and Tibet

Q70. Consider the following activities indulged in by a candidate during an election campaign:

1. Giving gifts to voters to induce them to vote
2. Appealing for votes on the grounds of caste or religion
3. False character assassination of other candidates
4. Propagation and glorification of sati

Which of these constitute the corrupt practices ?

- (a) 1 and 2
- (b) 2 and 3
- (c) 1, 2 and 3
- (d) 1, 2, 3 and 4

Q71. The human immuno deficiency virus (HIV) is a living entity because it can

- (a) Excrete in human serum
- (b) Disturb host cell respiration

(c) Undergo auto-reproduction

(d) Move from one cell to another

Q72. The country which has the largest foreign debt at present is

(a) Argentina

(b) Brazil

(c) Chile

(d) Mexico

Q73. In which one of the following inscriptions is Ashoka mentioned by name ?

(a) Major Rock edict at Girnar

(b) Minor Rock inscription at Maski

(c) Bairat inscription

(d) Lamghan inscription

Q74. The process of retting in jute is

(a) Purely physical

(b) Purely chemical

(c) Microbiological

(d) Physico-chemical



Q75. The value of a vote of a member of the Parliament for the election of the President of India is determined by dividing the

(a) Nation's population as per the latest census by the number of Lok Sabha members.

(b) Population as per the latest census by the total strength of the two Houses of the Parliament.

(c) The total value of votes of the members of all the State Legislative Assemblies by the elected members of the two Houses of the Parliament

(d) Particular State's population as per the latest census by the number of members of Parliament elected from that State

Q76. Mycorrhizae is a symbiotic association between

(a) Bacteria and roots of higher plants

(b) Algae and roots of orchids

(c) Fungi and roots of higher plants

(d) Protozoa and roots of higher plants

Q77. Which one of the following pairs is correctly matched ?

(a) Bhaskaracharya—Ashtanga Sangraha

(b) Bhatti — Sisupala Vadha

(c) Hemachandra — Kathasaritsagara

## (d) Sri Harsha — Naishadha Charita

Q78. Match List I with List II and select the correct answer using the codes given below them :

<i>List I</i>	<i>List II</i>
<i>(Pulse)</i>	<i>(Protein %)</i>
A. Cow pea	1. 22.9
B. Rajmah	2. 43.2
C. Soybean	3. 24.1
D. Dry peas	4. 19.7

(a) 1 2 3 4

(b) 1 4 3 2

(c) 3 1 2 4

(c) 4 3 1 2

Q79. What is the correct sequence in order of size of the following States in India (from largest to smallest) ? Select the correct answer using the codes given below :

1. Uttar Pradesh

2. Madhya Pradesh

3. Maharashtra

4. Andhra Pradesh

(a) 2, 3, 1, 4

(b) 1, 2, 3, 4

(c) 3, 2, 1, 4

(d) 2, 3, 4, 1

Q80. Consider the following statements regarding blood pressure :

1. It is the pressure exerted by the blood on the walls of any vessel
2. It decreases in the arteries as the distance from the heart increases
3. It is lower in the capillaries than in the arteries
4. It is usually lower in women than in men.

Of these statements

(a) 1 and 4 are correct

(b) 2, 3 and 4 are correct

(c) 1, 2 and 3 are correct

(d) 1, 2, 3 and 4 are correct

Q81. In which one of the following periods were the rock-cut "Hindu" temples a characteristic feature of architecture?

(a) Sungas

(b) Satavahanas

(c) Pallavas

(d) Cholas

Q82. Eskers and Drumlins are features, formed by

(a) Running water

(b) Underground water

(c) The action of wind

(d) Glacial action

Q83. During the Mughal period, under the Zabti system, land revenue was assessed and was required to be paid

(a) In cash or kind.

(b) Only in cash.

(c) Only in kind.

(d) By the zamindar on behalf of the peasants.

Q84. The size of the Muslim community in India is

(a) The largest in the world.

(b) Next only to that of Bangladesh.

(c) The second largest in the world.

(d) Is as large as that in Pakistan.

Q85. Match List I with List II and select the correct answer using the codes given below them :

*List I*

*List II*

(Plant tissue)

(Function)

- |                 |                        |
|-----------------|------------------------|
| A. Sclerenchyma | 1. Conduction of water |
| B. Xylem        | 2. Transport of food   |
| C. Phloem       | 3. Mechanical strength |
| D. Meristem     | 4. Cell division       |
|                 | 5. Carbon assimilation |

(a) 3 1 2 4

(b) 1 4 3 5

(c) 4 2 5 3

(d) 2 5 4 1

Q86. Who, among the following, was known as a “Nirguna” reformer ?

(a) Chaitanya

(b) Kabir

(c) Surdas

(d)Tulsidas

Q87. Consider the following singers:

1. Anup Jalota
2. Chitra Singh
3. Penaz Masani
4. Parvati Khan

Among these persons, the well-known Ghazal singers include

- (a) 1, 2 and 3
- (b) 1, 3 and 4
- (c) 2, 3 and 4
- (d) 1, 2 and 4

Q88. In a wooden box there are 3 red and 4 black balls. If two balls are taken out simultaneously (without looking at them), then the probability of both the balls being red is

- (a) Zero
- (b)  $1/7$
- (c)  $2/7$
- (d)  $3/7$

Q89. Who among the following led the Sepoys at Kanpur in the 1857 uprising ?

- (a) Tantia Tope
- (b) Laxmibai
- (c) Nana Sahib
- (d) Kunwar Singh

Q90. The Indian caste system in its classical form is characterised by

- (a) Vertical hierarchy
- (b) Horizontal hierarchy
- (c) Intercaste occupational competition
- (d) Equality

Q91. Water which contains soluble salts of calcium and magnesium is known as

- (a) Heavy water
- (b) Soft water
- (c) Hard water
- (d) Mineral water

Q92. The most effective contribution made by Dadabhai Nauroji to

the cause of Indian National Movement was that he

- (a) Brought the problems of Indians to the notice of the British.
- (b) Exposed the economic exploitation of India by the British.
- (c) Interpreted the ancient Indian texts and restored the self-confidence of Indians.
- (d) Stressed the need for eradication of all the social evils before anything else.

Q93. The Palghat gap providing easy access between the west and the east coasts of India lies between

- (a) The Nilgiris and the Cardamom Hills
- (b) The Nilgiris and the Anamalai Hills
- (c) The Anamalai Hills and the Cardamom Hills
- (d) The Cardamom Hills and the Palni Hills

Q94. Consider the following statements regarding haemoglobin :

1. It contains iron
2. It is a carrier of oxygen in the blood
3. It imparts red colour to the blood
4. It provides immunity against certain diseases.



Of these statements

- (a) 1, 2 and 4 are correct
- (b) 1, 2 and 3 are correct
- (c) 1, 3 and 4 are correct
- (d) 2, 3 and 4 are correct

Q95. Which one of the following is the largest of the inner planets ?

- (a) Venus
- (b) Mercury
- (c) Mars
- (d) Earth

Q96. If  $A + B = 96$  and  $A$  is half of  $B$ , then the value of  $B$  will be

- (a) 22
- (b) 32
- (c) 48
- (d) 64

Q97. A group of workers promise to complete a piece of work in 10 days, but five of them do not report for work. If it took the remaining workers 12 days to complete the work, then the number of workers

originally hired was

- (a) 15
- (b) 25
- (c) 30
- (d) 45

Q98. Suresh is now half of his father's age. After 20 years, his father will be one and half times older than Suresh. The present age of Suresh is

- (a) 15
- (b) 20
- (c) 25
- (d) 40

Q99. Cyclist A starts down a road at a speed of 15 km/hour. Cyclist B starts 20 minutes later from the same spot at a speed of 20 km/hour. B will overtake A after

- (a) 1 hour
- (b) 1½ hours
- (c) 2 hours
- (d) 2½ hours

Q100. A trader loses 20 per cent by selling an article for Rs. 480. If he is to gain 20 per cent, he should sell it for rupees

(a) 520

(b) 600

(c) 720

(d) 800

Q101. The minute arm of a clock is 10 cm long. The number of minutes taken by the tip of the arm to travel a length of 10 cm is nearly equal to

(b) 10

(c) 15

(d) 20

Q102. When a number  $X$  is added to  $4/X$ , the result is 4. Therefore  $X$  is

Q103. "Water flows through a pipeline at a steady rate. At a point on the pipeline, water is withdrawn continuously through a branch line". Consider the following statements in this regard.

1. Pipe line beyond the branch line will not be full.
2. Flow velocity in the main line will be less after the branch line than before it.

3. Flow velocity in the main line beyond the branch line will become unsteady.

Of these statements

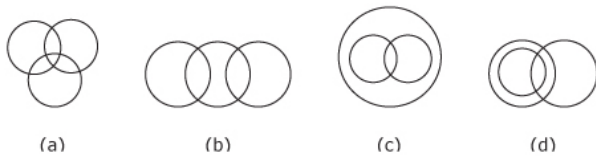
(a) 1 is true

(b) 2 is true

(c) 3 is true

(d) None is true

Q104. Which one of the following diagrams correctly represents the relationship among tennis fans, cricket players and students?



Q105. A, B, C, D, E and F, not necessarily in that order, are sitting on six chairs regularly placed around a round table. It is observed that A is between D and F, C is opposite D, D and E are not on neighbouring chairs. The person sitting opposite B is

Q106. The next number in the series 0, 7, 26, 63 is

(a) 124

(b) 178

(c) 195

(d)255

Q107. A circle (C), a square (S) and an equilateral triangle (T) have the same perimeter or circumference. The correct increasing order of their areas will be

(a) T, S, C

(b) C, T, S

(c) T, C, S

(d) C, S, T

Q108. A merchant wants a gross profit of 25 per cent on the sales. Thus the percentage he should add to the cost price will be

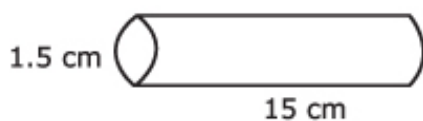
(a) 25 per cent

(b) 33 per cent

(c) 66 per cent

(d) 75 per cent

Q109. The number of pieces, 0.5 cm in diameter and 15 cm long, that can be cut out of a wooden block 15 cm in length and 1.5 cm in diameter is



Q110. Between X and Y, if  $0 < X < 1$  and  $Y > 1$ , then

(a) X is greater.

(b) Y is greater.

(c) Both X and Y are equal.

(d) It is not possible to compare the two quantities on the basis of the given data.

Directions: Qs 111 and 112 are based on the table given below. The table shows percentages of the total population (age-wise) of a given town with a total population of two lakh (200,000). Study the table carefully and then answer these Qs.

<i>Age group</i>	<i>Percentage</i>
------------------	-------------------

Below 15	
----------	--

16 to 25	
----------	--

26 to 35	
----------	--

36 to 45	
----------	--

46 to 55	
----------	--

56 and above	
--------------	--

Q111. If due to an epidemic, affecting children and youth, 10% of those below 15 and 5% of those between 16 and 25 die, then the total number of deaths in the town would be

(a) 3600

(b) 4400

(c) 7200

(d)8800

Q112. The number of persons of 46 years of age or more in the town is

(a) 54000

(b) 46000

(c) 27000

(d) Not determinable from the given data

Q113. If A, B, C, D are numbers in increasing order and D, B, E are numbers in decreasing order, then which one of the following sequences need neither be in a decreasing nor in an increasing order ?

(a) E, C, D

(b) E, B, C

(c) A, E, C

(d) D, B, A

Q114. Examine the following statements :

1. Lady's finger is tastier than cabbage.
2. Cauliflower is tastier than lady's finger.
3. Cabbage is not tastier than peas.

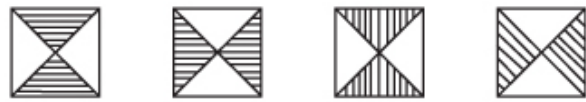
The conclusion that can be drawn from these statements is that

- (a) Peas are as tasty as lady's finger.
- (b) Peas are as tasty as cauliflower and lady's finger.
- (c) Cabbage is the least tasty of the four vegetables.
- (d) Cauliflower is tastier than cabbage.

Q115. The three diagrams given below follow a certain order. The correct diagram to follow these three in that order is



I.                      II.                      III.                      IV.



(a)                      (b)                      (c)                      (d)

Q116. Judaism and Christianity arose in

- (a) Palestine
- (b) Rome
- (c) Egypt
- (d) Iran

Q117. The Stone Age people had the first domestic



(a) Asses

(b) Dogs

(c) Horses

(d) Sheep

Q118. When compared to the mammals, birds are less sensitive to temporary deprivation of water, because

(a) The water requirement per unit weight is less in birds than in mammals.

(b) Absorption of water from the gut is more efficient in birds than in mammals.

(c) Urea excretion in mammals entails a greater loss of water than that in birds.

(d) None of these

Q119. A famous painting was sold for nearly Rs. 10 lakh in the auction held in Bombay in 1989. The artist was

(a) Anjali Ela Menon

(b) Satish Gujral

(c) Ganesh Pyne

(d) Maqbool Fida Hussain

Q120. Which one of the following can be classified as a “Pratiloma Marriage”?

- (a) A Brahmin girl marrying a Sudra boy
- (b) A Sudra girl marrying a Brahmin boy
- (c) A Brahmin girl marrying a Brahmin boy
- (d) None of these

Q121. The well-known painting ‘Bani Thani’ belongs to the

- (a) Kangra School
- (b) Kishangarh School
- (c) Bundi School
- (d) Jaipur School

Q122. Out of the total area, the ‘cultivable plains’ in India constitutes about

- (a) 23 per cent
- (b) 36 per cent
- (c) 41 per cent
- (d) 51 per cent

Q123. Consider the following effects of genetic engineering :

1. Disease resistance
2. Growth promotion
3. Closing
4. Longevity

Of these effects, those that have been tried out with a certain amount of success include

- (a) 1, 3 and 4
- (b) 2, 3 and 4
- (c) 1, 2 and 4
- (d) 1, 2 and 3

Q124. Match the following:

*List I*

*List II*

*(Author)*

*(Book)*

- |                   |                              |
|-------------------|------------------------------|
| A. J. L. Nehru    | 1. Golden Threshold          |
| B. P. Mody        | 2. Glimpses of World History |
| C. Sarojini Naidu | 3. The Judgement             |
| D. Kuldip Nayar   | 4. Zulfi, My Friend          |

- (a) 4 2 1 3
- (b) 2 4 1 3

(c) 3 2 4 1

(d) 1 2 3 4

Q125. 'The Modern Review' was started by

(a) Madan Mohan Malaviya

(b) C. V. Chintamani

(c) Ramanand Chatterjee

(d) Annie Besant

Q126. Which one of the following plants is effective in reducing water pollution and is also useful for producing biogas?

(a) Eucalyptus

(b) Water hyacinth

(c) Salvinia

(d) Lotus

Q127. Consider the following statements regarding 'biomedication'. It involves the use of bacteria and fungi to

1. Clean up aquifers

2. Clean up toxic dumps

3. Clean up oil spills

#### 4. Cure bacterial and fungal disease

- (a) 1 and 2 are correct
- (b) 1 and 3 are correct
- (c) 1, 2 and 3 are correct
- (d) 1, 2, 3 and 4 are correct

Q128. Who is the first Indian to win the grandmaster's title?

- (a) D. V. Prasad
- (b) S. V. Natarajan
- (c) Vishwanathan Anand
- (d) Ravi Kumar

Q129. The Uruguay round of negotiations is primarily concerned with reduction in

- (a) The debt burden of developing countries.
- (b) Restrictions on the operation of a flexible exchange rate system.
- (c) Restrictions on trade in agriculture and services.
- (d) Restrictions on fishing rights on the high seas.

Q130. The term "Fiscal Crisis" in India currently refers primarily to

- (a) Increase in non-developmental government expenditure.
- (b) Increase in public debt.
- (c) Recurring deficit on current account in the government budget.
- (d) Phenomenal increase in external indebtedness.

Q131. Match List I with List II and select the correct answer using the codes given below them :

<i>List I</i>	<i>List II</i>
<i>(Artiste)</i>	<i>(Instrument)</i>
A. Sadiq Ali Khan	1. Veena
B. V. G. Jog	2. Sarod
C. Ali Akbar Khan	3. Flute
D. Pannalal Ghosh	4. Violin

- (a) 1 4 2 3
- (b) 2 1 3 4
- (c) 4 3 1 2
- (d) 1 3 2 4

Q132. Match list I with list II and select the correct answer using the codes given below them :

<i>List I</i>	<i>List II</i>
<i>(City)</i>	<i>(Place)</i>

- |             |                      |
|-------------|----------------------|
| A. Budapest | 1. Alexander Platz   |
| B. Warsaw   | 2. Walesa Square     |
| C. Berlin   | 3. Tiananmen Square  |
| D. Beijing  | 4. Ceausescu Square  |
|             | 5. Parliament Square |

(a) 4 3 1 5

(b) 3 4 5 2

(c) 5 2 4 3

(d) 5 2 1 3

Q133. Which one of the following is the National Flower of India ?

(a) Rose

(b) Canna

(c) Lotus

(d) Marigold

Q134. The following figure shows a graphical representation of the amount earmarked for "Subsidies" in the Union Budget:

The curve which correctly represents the variation of the quantum of subsidies over the past few years is

(b) II

(c) III

(d) IV

Q135. Consider the following objectives of the Budget proposals :

1. Encouraging the use of indigenous intermediate products.
2. Reducing the incidence of indirect taxes.
3. Simplifying the procedure for collecting indirect taxes.
4. Integrating all indirect taxes into one coordinated tax.

MODVAT was introduced to achieve

- (a) 2, 3 and 4
- (b) 1, 2 and 3
- (c) 2 and 3
- (d) 1 and 2

Q136. Consider the following policy decisions of the Government:

1. Giving autonomy to the electronic media.
2. Appointing an industrialist as the Chairman of the Indian Airlines.
3. Hiring computer services on contract basis from the market.
4. Selling equity shares of the State Bank of India in the market.



Of the above, which would constitute privatisation ?

(a) 1 and 2

(b) 2 and 3

(c) 3 and 4

(d) 2 and 4

Q137. How many major ports are there at present in India ?

(b) 10

(c) 12

(d) 15

Q138. Consider the following statements regarding Safdar Hashmi:

1. He had Marxist affiliations.
2. He wrote children's poems.
3. He was a street-play artiste.
4. He was a well-known classical singer.

Of these statements

(a) 1, 2 and 3 are correct

(b) 1, 2 and 4 are correct

(c) 1, 3 and 4 are correct

(d) 2, 3 and 4 are correct

Q139. Assertion (A) :

When a wheel is in motion, a point (on the rim) which is farthest away from the ground will have the highest speed while the point (on the rim) closest to the ground will have the lowest speed.

Reason (R):

The speed of the point on the rim in the direction of motion and along the circumference of the wheel are additive.

(a) Both A and R are true and R is the correct explanation of A.

(b) Both A and R are true but R is not a correct explanation of A.

(c) A is true but R is false.

(d) A is false but R is true.

Q140. Assertion (A) :

The ratio of direct taxes to gross domestic product in India has been falling in the recent past.

Reason (R):

Unaccounted "black money" has grown rapidly.

(a) Both A and R are true and R is the correct explanation of A.

(b) Both A and R are true but R is not a correct explanation of A.

(c) A is true but R is false.

(d) A is false but R is true.

Q141. Assertion (A) :

In 1989, the U.S. Administration had offered military assistance to Colombia.

Reason (R):

The U.S. government wanted to help the Colombian government fight left-wing guerillas.

(a) Both A and R are true and R is the correct explanation of A.

(b) Both A and R are true but R is not a correct explanation of A.

(c) A is true but R is false.

(d) A is false but R is true.

Q142. Assertion (A) :

The southern half of India lies within the tropics and the northern half belongs to the warm temperate zone.

Reason (R):

The Tropic of Cancer runs almost halfway through India.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not a correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

Q143. Assertion (A) :

Oral Rehydration Therapy (ORT) has been strongly recommended for reducing infant mortality.

Reason (R):

Gastrointestinal problems are very common among children especially in the developing countries.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not a correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

Q144. Assertion (A) :

Floods are a recurring feature in the Indo-Gangetic Plain.

Reason (R):

The Indo-Gangetic Plain is built of porous and soft alluvium.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not a correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

Q145. Assertion (A) :

Equality before the law is not applicable to the President of India.

Reason (R):

The President of India enjoys special powers and privileges under the Constitution.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not a correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

Q146. Assertion (A) :

Ali Brothers founded the Swaraj Party.

Reason (R):

The Swarajists were in favour of council entry and obstruction from within.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not a correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

Q147. Consider the following statements regarding Kautilya's Arthshastra :

1. It places morality higher than political expediency.
2. It argues the case for a fully-centralised government for the empire.
3. It deals with problems of administration as well as laws of property and crime.
4. It includes section on government of the State and diplomatic relations with other States.

Of these statements

- (a) 1, 2 and 3 are correct
- (b) 2 and 3 are correct
- (c) 3 and 4 are correct
- (d) 1, 2 and 4 are correct

Q148. The fore-runner of the ideas of Glasnost and Perestroika was

- (a) Dubcek
- (b) Gorbachev
- (c) Tito
- (d) Walesa

Q149. Holding of elections for the Panchayats is decided by

- (a) The District Magistrate
- (b) Constitutional mandate
- (c) The State Government
- (d) The Election Commission

Q150. The main difference between raw soybeans and cooked soybeans is in respect of

- (a) Amino acid composition
- (b) Biological value of proteins
- (c) Protein content
- (d) Calorific value

Answers - 1990 UPSC Civil Services / IAS Preliminary General Studies

C

101.	102.	103.	104.	105.	106.	107.	108.	109.	110.
B	A	B	A	D	A	A	B	C	B
111.	112.	113.	114.	115.	116.	117.	118.	119.	120.
C	A	C	D	B	A	D	A	A	A
121.	122.	123.	124.	125.	126.	127.	128.	129.	130.
B	C	D	B	C	B	B	C	C	D
131.	132.	133.	134.	135.	136.	137.	138.	139.	140.
A	D	C	D	A	A	B	A	D	A
141.	142.	143.	144.	145.	146.	147.	148.	149.	150.
A	A	B	C	D	D	B	B	C	C

Links