

1. If 20% of $P = 30\%$ of $Q = \frac{1}{6}$ of R , then $P : Q : R$ is—
 (A) 2 : 3 : 16
 (B) 3 : 2 : 16
 (C) 10 : 15 : 18
 (D) 15 : 10 : 18

2. A tree increases annually by $\frac{1}{8}$ th of its height. What will be its height after 2 years, if it stands today 64 cm high ?

(A) 72 cm (B) 74 cm
 (C) 81 cm (D) 85 cm

3. The sides of a triangle GHL are $GH = 65$ m, $HL = 75$ m and $LG = 80$ m. What is the area of this triangle ?

(A) 2100 m² (B) 2160 m²
 (C) 2200 m² (D) 2280 m²

4. Three sets of data on comparable situations are available as under—

Set No.	No. of Data	Mean Value	Standard Deviation
1	9	8	1.6
2	12	7	1.2
3	15	9	1.4

Considering all the data sets together, the overall mean value would be—

(A) 7.24 (B) 7.66
 (C) 8.08 (D) 8.50

5. A train travels at a certain average speed for a distance of 63 km. Thereafter it travels a distance of 72 km with an average speed of 6 km/hour more than the original speed. Total time taken to complete the journey is 3 hours. What is the original average speed of the train ?

(A) 36 km/hour
 (B) 42 km/hour
 (C) 48 km/hour
 (D) 54 km/hour

6. An iron rod of 1 cm diameter and 8 cm length is drawn into a wire of 18 m length with uniform thickness. The thickness of the wire would be—

(A) $\frac{1}{21}$ cm (B) $\frac{1}{18}$ cm
 (C) $\frac{1}{15}$ cm (D) $\frac{1}{12}$ cm

7. A 60 m long train travels at a uniform speed of 72 km/hour. It passes non-stop along the 600 m platform of a wayside station. What is the elapsed time for the train to entirely clear the platform ?

(A) 30 second (B) 31 second
 (C) 32 second (D) 33 second

8. Train A is 75 m long and travels at a uniform speed of 54 km/hour. Train B is 125 m long and travels at a uniform speed of 36 km/hour in the direction opposite to that of Train A. If these trains are crossing at a double-track stretch, what is the time taken for the two trains to fully clear each other ?

(A) 10 second
 (B) 8 second
 (C) 7.2 second
 (D) 6.6 second

9. Biome, largest recognizable assemblage of animals and plants on the Earth, is controlled mainly by—

(A) Biological activity
 (B) Land forms
 (C) Climate
 (D) Soil

10. Despite having huge coal reserve in our country, why do we import millions of tons of coal ?

1. It is policy of Government of India to save its own coal reserve for future use and import now from other countries for present use.

2. Most of the thermal plants in our country are coal based and they are unable to get sufficient coal supply from our coal mines.

3. Steel plants require large quantities of coking coal which we do not have, coking coal is to be imported from other countries.

(A) 1, 2 and 3
 (B) 2 and 3 only
 (C) 1 and 2 only
 (D) 1 and 3 only

11. For calculating Body Mass Index (BMI), weight of the person (in kg) is divided by the—

(A) Square of the weight (in kg)
 (B) Square of the height (in metre)
 (C) Square root of the height (in metre)
 (D) Vitamins intake

Directions—Each of the next four (4) items consists of two statements, one labelled as the 'Statement (I)' and the other as 'Statement (II)'. You are to examine these two statements carefully and select the answers to these items using the codes given below—

Codes :

- (a) Both Statement (I) and Statement (II) are individually true and Statement (II) is the correct explanation of Statement (I).
 (b) Both Statement (I) and Statement (II) are individually true but Statement (II) is **not** the correct explanation of statement (I).
 (c) Statement (I) is true but Statement (II) is false.
 (d) Statement (I) is false but Statement (II) is true.

12. **Statements :**
- Industrial relation is currently more influenced by the external market forces than the power play between employers and employees.
 - The forces of globalization have made competition so imperative that unions and their tactics like stopping productivity no more hold good.
13. **Statements :**
- Every State in India has a High Court in its (State's) territory.
 - As per constitution of India each State is provided to have a High Court.
14. **Statements :**
- The Directive Principles of State Policy enshrined in the constitution, aim at providing the social and economic base of a genuine democracy.
 - The Directive Principles are merely directives which the government has to keep in mind while framing policy and is not enforceable through courts.
15. **Statements :**
- In order to produce electric power from a geothermal reservoir, temperature above 180° is required.
 - To drive steam turbines, high temperature steam is used.
16. Which one of the following sets of industries were among first modern industries in India ?
- Tea, Cotton and Sugar
 - Jute, Silk and Cotton
 - Cotton, Jute and Coal-Mines
 - Sugar, Silk and Steel
17. The regional project by name 'CASA-1000' (Central Asia-South Asia-1000), funded by World Bank, pertains to the field of—
- Eradication of HIV AIDS
 - Roads and Buildings
 - Electricity
 - Eradication of illiteracy
18. The Endeavour of 'Janani Suraksha Yojana' Programme is to—
- Promote institutional deliveries.
 - Provide monetary assistance to the mother to meet the cost of delivery.
 - Provide for wage loss due to pregnancy and confinement.
- 1 and 2 only
 - 1 and 3 only
 - 2 and 3 only
 - 1, 2 and 3
19. 'Kyoto Protocol', an agreement signed by various countries, is associated with—
- International trade
 - Deep sea oil and mineral exploration
 - Clean environment and climate change
 - Building common food stock to save human being from any natural disaster
20. Which of the following can be threats to the biodiversity of a geographical area ?
- Global warming
 - Fragmentation of habitats
 - Invasion of alien species
 - Promotion of vegetarianism
- 1, 2 and 3 only
 - 1, 2 and 4 only
 - 3 and 4 only
 - 1, 2, 3 and 4
21. Vultures, which were very common in our countryside a few years ago, are rarely seen now-a-days. This is attributed to one of the following—
- Destruction of their nesting sites by new invasive species
 - A drug used by cattle owners for treating their diseased cattle
 - Scarcity of food available to them
 - A widespread, persistent and fatal disease amongst them
22. Who won the Golden Boot Award in the recently concluded UEFA Euro 2012 ?
- Fernando Torres (Spain)
 - Mario Balotelli (Italy)
 - Cristiano Ronaldo (Portugal)
 - Mario Gomez (Germany)
23. Which of the following sets of countries has only federations ?
- New Zealand, India, Zimbabwe and Argentina
 - Malaysia, Australia, Nigeria and Brazil
 - India, Nepal, Sri Lanka and South Africa
 - France, Germany, Sweden and Switzerland
24. Match List-I with List-II and select the correct answer using the codes given below the lists—
- | | |
|-----------------------------|---------------------|
| List-I
(Person) | |
| (a) Steve Jobs | (b) Sheryl Sandberg |
| (c) Larry Page | (d) Ross Levinsohn |
| List-II
(Company) | |
| 1. Google | 2. Apple |
| 3. Yahoo | 4. Facebook |
- Codes :**
- | | | | | |
|-----|-----|-----|-----|-----|
| | (a) | (b) | (c) | (d) |
| (A) | 2 | 1 | 4 | 3 |
| (B) | 3 | 1 | 4 | 2 |
| (C) | 2 | 4 | 1 | 3 |
| (D) | 3 | 4 | 1 | 2 |
25. Match List-I with List-II and select the correct answer using the codes given below the lists—
- | | |
|-------------------------------------|-----------------------------------|
| List-I
(Book) | |
| (a) Rahul Dravid : Timeless Steel | (b) An Ashes Summer |
| (c) Sachin : A Hundred Hundreds Now | (d) Opening Up : My autobiography |
| List-II
(Author) | |
| 1. Steve Waugh and Nasseer Hussain | 2. Greg Chappell |
| 3. Mike Atherton | 4. V. Krishnaswamy |
- Codes :**
- | | | | | |
|-----|-----|-----|-----|-----|
| | (a) | (b) | (c) | (d) |
| (A) | 3 | 4 | 1 | 2 |
| (B) | 2 | 4 | 1 | 3 |
| (C) | 3 | 1 | 4 | 2 |
| (D) | 2 | 1 | 4 | 3 |

26. Why was Justice Dalveer Bhandari in the news recently ?
- (A) He became member of UN Human Rights Council
 (B) He was elected to the International Court of Justice
 (C) He became Director General of World Trade Organization
 (D) He became Secretary-General of SAARC

27. Match List-I with List-II and select the correct answer using the codes given below the lists—

List-I

(Head)

- (a) Jim Yong Kim
 (b) Kamlesh Sharma
 (c) Christine Lagarde
 (d) Catherine Day

List-II

(Institution)

1. President, World Bank
 2. Secretary-General Commonwealth
 3. Managing Director, IMF
 4. Secretary-General of the European Commission

Codes :

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

28. A cultivator has about two hectares of rain fed land without irrigation facilities. Which type of crops would he like to grow ?
1. Jowar
 2. Cotton
 3. Arhar
 4. Potatoes
- (A) 1, 2, 3 and 4
 (B) 1, 2 and 3 only
 (C) 2 and 4 only
 (D) 1 and 3 only

29. Match List-I with List-II and select the correct answer using the codes given below the lists—

List-I

- (a) Buxa Tiger Reserve
 (b) Periyar Tiger Reserve
 (c) Sariska National Park
 (d) Wild Ass Sanctuary

List-II

1. Rajasthan
 2. Gujarat
 3. West Bengal
 4. Kerala

Codes :

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

30. Which one of the following statements is true about red soil ?

- (A) It is rich in humus
 (B) It is rich in potash
 (C) It is rich in iron compounds
 (D) It is derived from volcanic origin

31. Gun metal is an alloy of—

- (A) Copper, Tin and Zinc
 (B) Aluminium, Tin and Steel
 (C) Copper, Steel and Zinc
 (D) Aluminium, Tin and Zinc

32. If the electrical resistance of a typical substance suddenly drops to zero, then the substance is called—

- (A) Semiconductor
 (B) Conductor
 (C) Superconductor
 (D) Super semiconductor

33. The material used for electric fuse is an alloy of tin and lead. This alloy should have—

- (A) High specific resistance and low melting point
 (B) Low specific resistance and high melting point
 (C) Low specific resistance and low melting point
 (D) High specific resistance and high melting point

34. The word FTP stands for—

- (A) File Transit Provision
 (B) File Translate Protocol
 (C) File Transfer Provision
 (D) File Transfer Protocol

35. RAM stands for—

- (A) Random Access Memory
 (B) Read Access Memory
 (C) Random Attribute Memory
 (D) Random Applicable Memory

36. Which of the following is also known as brain of computer ?

- (A) Monitor
 (B) Arithmetic Logic Unit (ALU)
 (C) Control Unit
 (D) Central Processing Unit (CPU)

37. A technique in which data is written to two duplicate disks simultaneously, is called—

- (A) Mirroring
 (B) Multiplexing
 (C) Duplicating
 (D) Copying

38. The term 'e-Waste' refers to—

- (A) The files that are deleted and enter the 'Waste-bin' folder in a computer
 (B) The temporary files, folders, links etc. that are rarely used in a computer
 (C) The electronic products such as mobiles, PCs etc. that are disposed off after their useful life
 (D) A portal that offers services for collecting household waste

39. CAD stands for—

- (A) Computer Aided Design
 (B) Computer Application in Design
 (C) Coded Algorithm in Design
 (D) Coded Addressable Design

40. Match List-I with List-II and select the correct answer using the codes given below the lists—

List-I

(Contribution)

- (a) Industrial Welfare Movement
 (b) Human Relations Thought
 (c) Concept of Third Force
 (d) Ahmedabad Experiment

List-II

(Contributor)

1. Charles A. Myers
 2. A. K. Rice
 3. Robert Owen
 4. Elton Mayo

Codes :

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

41. Match List-I with List-II and select the correct answer using the codes given below the lists—

List-I

(Board/Committee)

- (a) First National Commission on Labour, 1969
- (b) Wage Board for Working Journalists, 2009
- (c) Second National Commission on Labour, 2002
- (d) Index Review Committee, 2009

List-II

(Chairperson)

- 1. G. K. Chadha
- 2. Ravindra Verma
- 3. P. B. Gajendragadkar
- 4. G. R. Majithia

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

42. Which of the following is **not** covered by the Employees Provident Fund and Miscellaneous Provisions Act, 1952 ?

- (A) Pension
- (B) Provident Fund
- (C) Deposit Linked Insurance
- (D) Injury Compensation

43. Which of the following statements about Workmen's Compensation Act, 1923 is true ?

- (A) It is not social security legislation
- (B) Its name has been changed to the Employee's Compensation Act in 2009
- (C) It provides maximum Compensation in the event of death
- (D) It does not provide compensation for occupational diseases

44. Which of the following legislations is comprehensive social security legislation ?

- (A) The Maternity Benefit Act
- (B) The Employees State Insurance Act
- (C) The Employees Compensation Act
- (D) The Employees Provident Funds and Miscellaneous Provisions Act

45. What is the maximum limit of gratuity payable under the Payment of Gratuity Act, 1972 ?

- (A) ₹ 3 lakhs
- (B) ₹ 7.5 lakhs
- (C) ₹ 10 lakhs
- (D) ₹ 10.5 lakhs

46. In which part of the Indian Constitution, Worker's participation in Management has been incorporated ?

- (A) The Preamble
- (B) The Fundamental Rights
- (C) Directive Principles of State Policy
- (D) None of the above

47. Which of the following is the earliest to be constituted ?

- (A) Press Council of India
- (B) United News of India
- (C) NAM News Network
- (D) Press Trust of India

48. Which of the following statements is true about Industrial Policy since 1991 ?

- (A) Only 5 industries related to security, strategic and environmental concerns require industrial License
- (B) An investor need not file an industrial entrepreneur Memorandum
- (C) There is no reservation of products for production in small scale sectors
- (D) The number of industries reserved for public sector has been enhanced

49. The newly introduced rupee symbol is based on—

- (A) Roman and Greek script
- (B) Persian and Dravidian script
- (C) Roman and Devanagari script
- (D) Greek and Devanagari script

50. Which one of the following Institutions was **not** set up by the Constitution of India ?

- (A) Union Public Service Commission
- (B) Election Commission
- (C) Planning Commission
- (D) Union Judiciary

51. The Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) aims at enhancing livelihood security in rural areas of India by providing at least one hundred—

- (A) Days of guaranteed employment in a financial year to able adults in the Information Technology sector
- (B) Days of guaranteed wage employment in a financial year to adult members of a rural household
- (C) Meals to children of rural households in one financial year
- (D) Employees for rural developmental schemes in a financial year

52. One of the following Government of India programmes aims to help, build or upgrade dwelling units of below the poverty line rural families—

- (A) National Social Assistance Programme
- (B) Jawahar Rozgar Yojana
- (C) Indira Awas Yojana
- (D) Jawaharlal Nehru National Urban Renewal Mission

53. The following provision, "Protection of monuments and places and objects of national importance" is a—

- (A) Fundamental Right guaranteed by the Constitution of India
- (B) Directive Principle of State Policy of the Constitution of India
- (C) Fundamental Duty laid down by the Constitution of India
- (D) Presidential order in accordance with the Constitution of India

54. The Seventh schedule of the Constitution of India contains provisions regarding—

- (A) Scheduled Languages
- (B) Oaths and Affirmations
- (C) Administration of Tribal areas
- (D) Union, State, Concurrent Lists

55. The Mid-Day Meal Scheme was launched in 1995 with the aim to—

List-I*(Commission)*

1. Enhance enrolment, retention and attendance of primary school children.
2. Improve the nutritional status of primary school children.
3. Improve the habit of reading among rural households.
4. Encourage the use of Tiffin boxes among primary school children.

List-II*(Chairperson)*

1. Vijay Kelkar
2. Justice M.N. Venkatachaliah
3. Justice Madan Mohan Puni
4. M. Veerappa Moily

Codes :

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

- (A) 1 and 2 only
 (B) 1 and 4 only
 (C) 2 and 3 only
 (D) 1, 2 and 4

56. The President of India is elected by the members of an electoral college consisting of elected members of—

1. Both Houses of Parliament.
 2. The Legislative Assemblies of the States.
 3. Union Council of Ministers
- (A) 1 only (B) 2 only
 (C) 1 and 2 (D) 2 and 3

57. The responsibility of preparation of electoral rolls in India rests with—

- (A) The Parliament
 (B) The Local Administration
 (C) The Election Commission
 (D) The Returning Officer

58. At the time of becoming the Prime Minister of our country one—

- (A) Must be a member of one of the Houses of the Parliament. If not, must become a member of one of the Houses within Six months
 (B) Need not necessarily be a member of one of the Houses of Parliament but must get elected as a member of Lok Sabha within Six months
 (C) Must be a member of one of the Houses of Parliament prior to appointment
 (D) Must be a member of Rajya Sabha

59. Match List-I with List-II and select the correct answer using the codes given below the lists—

60. What is common to Sardar Hukum Singh, Jagjivan Ram, Inderjit Gupta, Somnath Chatterjee and Seth Govind Das ?

- (A) They were Speakers of the Lok Sabha
 (B) They were Deputy Speakers of the Lok Sabha
 (C) They were Protem Speakers of the Lok Sabha
 (D) None of the above

61. The purpose of Adjournment motion in our Parliament is—

- (A) To allow a discussion on a definite matter of urgent public importance
 (B) To let opposition members collect information from concerned Ministers
 (C) To allow a reduction of specific amount in the demand of grant
 (D) To postpone the proceedings to check the inappropriate or the violent behaviour on the part of some members

62. Consider the following statements regarding limitations on the authority of the Indian Parliament—

1. Most of the important laws can be introduced in the Parliament with the prior consent of the President.
2. Parliament has to operate within the jurisdiction earmarked by the Constitution.

Which of these statements is/are correct ?

- (A) Both 1 and 2
 (B) Neither 1 nor 2
 (C) 1 only
 (D) 2 only

63. Archaeological studies suggest the theory that—

- (A) All the continents were settled with human societies at about the same time
 (B) Farming societies developed before hunting and gathering
 (C) The earliest human evolved in the Rift valley in East Africa
 (D) The wheel was in use in all ancient societies

64. Which term is used to describe the spread of Buddhism from India through Southeast Asia ?

- (A) Social mobility
 (B) Cultural diffusion
 (C) Ethnocentrism
 (D) Interdependence

65. The main objective of the Minimum Wages Act, 1948 is to safeguard the interests of the workers engaged in—

- (A) Unorganised Sector
 (B) Organised Sector
 (C) Industrial Sector
 (D) Agricultural Sector

66. Which one of the following expresses the relation between normal price and market price ?

- (A) Market price is greater than normal price
 (B) Market price is equal to normal price
 (C) Market price tends to be equal to normal price
 (D) Market price is lesser than normal price

67. Consider the following statements about heritage—

1. Heritage is that which has been or may be inherited.
2. Heritage is anything given or received to be a proper possession.

Board for putting cooperative farming on a sounder footing ?

- (A) Every Society should have a definite programme for total pooling of lands
- (B) Financial assistance should be given only for purchase of new land
- (C) State Governments should give priority to revitalization of the existing societies
- (D) Joint farming must be practiced with respect to all lands of the society

95. Structural Planning refers to—

- (A) Centralized planning
- (B) Laying down broad goals and strategies
- (C) Changing existing institutions or creating new ones
- (D) Fixing flexible targets

96. Three States which have Human Development Index (HDI) higher than China are—

- (A) Kerala, Maharashtra and Madhya Pradesh
- (B) Kerala, Punjab and Maharashtra
- (C) Maharashtra, Madhya Pradesh and Punjab
- (D) Kerala, Madhya Pradesh and Gujarat

97. Consider the following statements in respect of the Comptroller and Auditor General (CAG)—

1. Reports on the accounts of the States are submitted to the President who shall cause these to be placed before the Parliament.
2. CAG is appointed by the President of India and can be removed only on grounds and procedure similar to those of a Supreme Court Judge.
3. The form in which accounts of the Centre and States are to be kept is prescribed by CAG.

Which of these statements are correct ?

- (A) 1, 2 and 3
- (B) 1 and 2 only
- (C) 2 and 3 only
- (D) 1 and 3 only

98. Which of the following is **not** one of the features of the Special Economic Zones (SEZ) being set up for promoting exports ?

- (A) Foreign workers will be allowed free entry without Visa restrictions
- (B) The SEZ area will be treated as foreign territory for trade operations, duties and tariff
- (C) There will be no routine examination by customs authorities of import/export cargo
- (D) No license is required for import into the zone

99. Match List-I with List-II and select the correct answer using the code given below the lists—

List-I

(Chairperson)

- (a) D.M. Dharmadhikari
- (b) Anil Kakodkar
- (c) B.N. Srikrishna
- (d) Adi Godrej

List-II

(Issue)

1. National Corporate Governance Policy
2. Air India—Indian Airlines merger.
3. Indian Railways High Levels Safety Review Committee.
4. Financial Sector Legislative Reforms Commission.

Codes :

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

100. How does National Rural Livelihood Mission (NRLM) seek to improve livelihood options of rural poor ?

1. By setting up a large number of new manufacturing industries and agribusiness centers in rural areas.
2. By strengthening Self Help Groups (SHG) and providing skill development.
3. By supplying seeds, fertilizers, diesel pump-sets and micro irrigation equipment free of cost to farmers.

- (A) 1, 2 and 3
- (B) 2 only
- (C) 3 only
- (D) 1 only