

AE INDUSTRIES - GENERAL STUDIES

1. Which of the following pairs are correctly matched ? I) N_2O : Neutral, brown gas
II) NO : Neutral, Colourless gas III) N_2O_3 : Acidic, Blue solid IV) N_2O_5 : Basic,
Colourless Solid

1) I, II & IV only

2) II, III & IV only

~~3) II & III only~~

4) I & IV only

2. Among the following in which group of elements zone refining method is used?

~~1) Silicon, Germanium, Gallium~~

2) Sodium, Gold, Copper

3) Uranium, Sodium, Titanium

4) Radium, Silver, Gold

3. Fill in the Blanks : The month of January is named after _____.

1) The single faced Greek God

~~2) The two-faced Janus~~

3) The three-faced Latin God

4) The Japan God

4. Match the following and select your answer using the codes given below.

List - I	List - II
a) Khasis	1) Chota Nagpur
b) Kukis	2) Orissa
c) Kols	3) Assam
d) Khokas	4) Manipur

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

5. From which of the following reasons Gandhiji started the Non-Cooperation movement? I) Tragedy of the Jallianwala Bagh II) The martial Law in Punjab III) Hunter Committee Report IV) Against Salt Law

~~1) I, II and III are correct~~

2) I, II and IV are correct

3) II, III and IV are correct

4) I, II, III and IV are correct

6. Match the following and select your answer from the codes given below.

List - I	List - II
a) Khudi Ram	1) Delhi
b) Ganesh Damodar Savarkar	2) Punjab
c) Rask Bihari Bose	3) Bengal
d) Sardar Ajit Singh	4) Nasik

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

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

List - I	List - II
a) Labour party	1) Anglo - Oriental College
b) Birth of Muslim League	2) Announcement of Indian Independence
c) Bhagat Singh	3) Dacca
d) Syed Ahmed Khan	4) Mr. Saunders

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

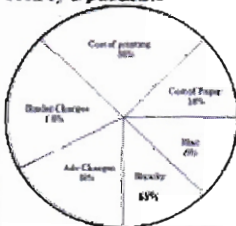
8.



In the above set of figures (i) to (v), some parts are shown to change their position in a regular direction. Following the same sequence which one of the following will appear at the fifth stage?

- A.
- B.
- C.
- D.

9. Circle - graph given below shows the expenditure incurred in bringing out a book by a publisher



If the cost of printing is Rs. 17500, the royalty is:

- A. Rs. 4750
- B. Rs. 7500
- C. Rs. 3150
- D. Rs. 5300

10.

Marks	4-8	8-12	12-20	20-30
No of Students	3	9	32	20

The frequency density of the class interval 12-20 is _____.

- A. 16
- B. 2
- C. $\frac{1}{2}$
- D. 4

11. The average rainfall in Chennai from Monday to Saturday was 1.2 cm. Due to heavy rainfall on Sunday, the average rainfall increased to 2 cm. The rainfall on Sunday was _____.

- 1) 1.2 cm 2) 5.8 cm
 3) 6.8 cm 4) 8.6 cm

12. Consider the following statement about the communication of neurons. a) Neurons communicate with other cells at synapses b) Acetylcholine is one of the common neurotransmitters in both invertebrates and vertebrates

- 1) (a) alone is correct 2) (b) alone is correct
 3) Both (a) and (b) are correct 4) Both (a) and (b) are wrong

13. Which one of the following is not correct?

- 1) Base is any substance that can supply OH^- ion in aqueous medium 2) Base is any substance that can accept a proton in aqueous medium
 3) Base is any substance that can donate a pair of electrons 4) Base is any substance that can accept a pair of electrons

14. Match Column I with Column II and Choose the correct answer -

Column I	Column II
i) Growth hormone	a) Posterior Pituitary
ii) Vasopressin	b) Adrenal medulla
iii) Melatonin	c) Adrenal Cortex
iv) Epinephrine	d) Anterior pituitary
v) Corticoids	e) Pineal gland

	i	ii	iii	iv	v
A.	c	a	b	e	d
B.	c	d	e	a	b
C.	d	b	c	e	a
D.	d	a	e	b	c

15. Match the List - I with List - II and select the correct answer by using the codes given below the list.

List - I	List - II
a) Qualification for election as president	1) Art. 61
b) Executive power of the union shall be vested in president.	2) Art. 58
c) Council of minister	3) Art. 53
d) Procedure for impeachments of the president	4) Art. 74

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

16. If three dice are thrown once how many possible outcomes are there ?

- 1) 36 2) 216
 3) 120 4) 18

17. Globalization - I) Will promote foreign direct investment II) Increases the costs of transport III) Enables the country to make use of advanced technology IV) Widens the access of developing countries to export their produce

- 1) I, II and III
 2) II, III and IV
 3) I, II and IV
 4) I, III and IV


18. The decreasing order of acidity of following oxy acids HClO , HClO_2 , HClO_3 and HClO_4 in the aqueous media is :

- 1) $\text{HClO} > \text{HClO}_2 > \text{HClO}_3 > \text{HClO}_4$
 2) $\text{HClO}_4 > \text{HClO}_3 > \text{HClO}_2 > \text{HClO}$
 3) $\text{HClO}_4 > \text{HClO}_2 > \text{HClO} > \text{HClO}_3$
 4) $\text{HClO}_3 > \text{HClO}_2 > \text{HClO} > \text{HClO}_4$

19. Consider the following pairs I) Nitrogen trioxide - Nitrous anhydride II) Dinitrogen tetra oxide - Laughing gas III) Nitrogen pentoxide - Nitric anhydride Which of the pair given above is/are correct ?

- 1) I only
 2) I and III
 3) II and III
 4) II only

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

List - I	List - II
	a) Solid Rock b) Sub Soil c) Humus d) Soil

	I	II	III	IV
A.	a	c	d	b
B.	b	a	c	d
C.	c	d	b	a
D.	d	b	a	c

21. The degree of salinity is generally expressed as -

A.	$\frac{\text{Number of parts of salt}}{\text{Thousand parts of seawater}}$
B.	$\frac{\text{Number of parts of salt}}{\text{Percentage of parts of seawater}}$
C.	$\frac{\text{Percentage of parts of salt}}{\text{Thousand parts of seawater}}$
D.	$\frac{\text{Percentage of parts of salt}}{\text{Number of parts of salt}}$

22. LPG model of development : 1) Emphasizes a bigger role for the private sector 2) Concentrates on the corporate sector 3) Bypasses agriculture and agro-based industries Which of the statements given above is/are correct ?

- 1) 1 only
3) 2 only

- 2) 1 and 2
4) 1, 2 and 3

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

List - I	List - II
a) Kattabomman	1) Nerkattum Seval
b) Muthu vaduganathan	2) Ettayapuram
c) Ettappa Nayakkar	3) Panchalangurichi
d) Puli Thevar	4) Sivaganga

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

24. Match List - I with List - II and Choose the correct answer using the codes given below the lists.

List - I	List - II
a) Resignation of congress ministries in the states.	1) 1920
b) Rajaji formula	2) 1939
c) Non - Cooperation Movement	3) 1930
d) Civil dis-obedience movement	4) 1944

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

25. Match List - I with List - II and Choose the correct answer using the codes given below the lists.

List - I	List - II
a) Death of Vanchinathan	1) 1940
b) Birth of Swaraj party	2) 1935
c) August Offer	3) 1911
d) Set up of Reserve Bank of India	4) 1923

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

26. Consider five great events of Buddha's life and their symbols. Identify which are correctly matched.

Five Great Events	Symbols
i) Birth	- Horse
ii) Great renunciation	- Lotus and bull
iii) Nirvana	- Bodhi Tree
iv) First Sermon	- Dharmachakra or wheel
v) Parinirvana or death	- Stupa

Which of the above are correctly matched? Select the answer from the codes given below:

- A. All of them
- B. i, ii, iii and iv
- C. iii, iv and v
- D. ii, iii and v

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

List - I	List - II
i) Digambaras	a) Unorthodox and liberal Jainas
ii) Svetambaras	b) Orthodox and conservative Jainas
iii) Terapanthis	c) Breakaway group from the Digambaras
iv) Samaiyas	d) Breakaway group from the Svetambaras

	i	ii	iii	iv
A.	a	b	c	d
B.	b	a	c	d
C.	b	a	d	c
D.	a	b	d	c

28. According to 61st Round NSS report, during 2000-05 average growth rate of employment in Tamil nadu was _____ percent and the national average growth rate was _____ percent.

- 1) 0.24, 0.98
- 2) 1.26, 2.89
- 3) 2.4, 2.7
- 4) 2.2, 1.96

29. The major environmental effect of huge dams?

- 1) Degradation of the soil in the command area due to water logging and soil salinity
- 2) Accumulation of green house gases
- 3) Degrade of the quality of life of people
- 4) Radiation

30. Fill in the blanks : As on 1999-2000 the rate of unemployment is higher in _____.

- 1) Bihar
- 2) Rajasthan
- 3) Uttar Pradesh
- 4) Tamil Nadu

31. Match the following :

List - I	List - II
1) Namakku Namme Thittam	a) To provide all weather roads to rural areas
2) MPLADS	b) Centre and State sharing
3) Pradhan Mantri Gram Sadak Yojana	c) Infrastructure development
4) Tamil Nadu Rural Employment Guarantee Scheme	d) State Sponsored

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

32. Which of the following countries has higher Birth and Death Rates as on 2008?

- 1) China
- 2) Australia
- 3) Canada
- 4) India

33. Food, work and Productivity was the focus of -

- 1) Fifth five year plan
- 2) Sixth five year plan
- 3) Seventh five year plan
- 4) Eighth five year plan

34. Match List - I with List - II and Select the correct answer using the codes given below

List - I	List - II
i) Ministry of home affairs	a) Recruitment to class III post (non-technical)
ii) Union public service commission (UPSC)	b) Management of IAS
iii) Ministry of personnel	c) Advising on Inter-service promotion
iv) Staff selection Commission	d) Controlling of IPS personnel

	i	ii	iii	iv
A.	a	c	b	d
B.	d	c	b	a
C.	c	d	b	a
D.	b	c	a	d

35. Match the following and Select your answer using the codes given below

List - I	List - II
a) Sangama dynasty	1) Tirumala
b) Tuluva dynasty	2) Timma Raya
c) Saluva dynasty	3) Krishnadevaraya
d) Aravidu dynasty	4) Bukka II

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

36. How many women were elected to Lok Sabha in the First General Elections?

- 1) 12
 2) 22
 3) 32
 4) 24

37. Match List - I with List - II and Select the correct answer using the codes given below the list :

List - I (Organizations)	List - II (Functions)
a) Ministry of Home affairs	1) Management of IAS
b) Union Public Service Commission	2) Recruitment to Gr.III (Non technical)
c) Ministry of personnel	3) Cadre Controlling of IPS
d) Staff selection Commission	4) Recruitment to Gr. II posts
	5) Advising on Inter-Service Promotions

	a	b	c	d
A.	3	5	2	1
B.	3	5	1	2
C.	1	3	5	4
D.	5	2	3	1

38. Which of the following are not necessarily the consequences of the proclamation of the President's rule in a State? 1) Dissolution of the State Legislative Assembly 2) Removal of the Council of Ministers in the state 3) Dissolution of local bodies 4) Takeover of the state administration by the Union Government. Choose the correct answer from the codes given below :

- 1) 1, 2 and 4
 2) 1 and 3
 3) 2 and 3
 4) 1, 3 and 4

39. Mark the statement(s) that is/are INCORRECT with regard to administrative reform. A) Administrative reform is a process which involves artificial inducement of Administrative transformation against resistance. B) It is confined to the narrow structural changes of a administrative system. C) In most of the under developed countries it is a process of change in administrative structure (ie) procedures within the Public Service alone. D) Administrative reforms referred to an attempt to modernize and change society

- 1) A alone
 2) A and B
 3) C alone
 4) A and D

40. Choose the CORRECT statement(s) from the below. A) Tribunal is a seat (or) bench upon which a judge (or) Judges sit in a court B) Tribunals are not recognized and by the Indian Constitution C) Tribunals are bound by the rules of evidence and process D) Tribunals possess the technique and expertise to handle complex problems.

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

AE INDUSTRIES - GENERAL STUDIES

41. Match the following :

List - I	List - II
a) Fibrous cloud	1) Alto
b) Layered cloud	2) Cumulus
c) Detached cloud	3) Stratus
d) Middle cloud	4) Cirrus

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

42. Match List - I with List - II correctly and select your answer using the codes given below.

Peninsular Rivers	Tributaries
a) Mahanadi	1) Hemavati
b) Godavari	2) Sheonath
c) Krishna	3) Penganga
d) Cauvery	4) Bhima

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

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

List-I (minerals)	List-II (Mining areas)
a) Iron ore	1) Malanji Khand
b) Manganese	2) Kimmangudi
c) Copper	3) Zawar
d) Lead	4) Sundargarh

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

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

List-I (Erosional features)	List-II (Agent)
a) Zeugen	1) Ground Water
b) Uvala	2) Wind
c) Arete	3) River
d) Gorge	4) Glacier

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

45.

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

List-I	List-II
a) Britain	1) 24, Sussex Drive
b) Canada	2) 9, Smolenskin Street
c) India	3) 5, Adelside Avenue
d) Canberra	4) 10, Downing Street
e) Israel	5) 9, Racecourse Road

	a	b	c	d	e
A.	1	2	3	4	5
B.	4	1	5	3	2
C.	4	5	1	2	3
D.	5	4	3	2	1

46. Which of the following is NOT a type of wireless network ? I) Ring II) Radio Frequency Identification(RFID) III) Cordless Telephone IV) WAN

- 1) II & III
- 2) I & II
- 3) III & IV
- 4) I & IV

47. The Simplified Boolean Function $X + X'.Y$ is:

- 1) X.Y
- 2) X+Y
- 3) X
- 4) Y

48.

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

List-I	List-II
a) OCR	1) Video Cassette Recorder
b) OMR	2) Video Display Terminal
c) VDT	3) Optical Character Recognition
d) VCR	4) Optical Mark Reader

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

49. Which of the following can be main/physical memory ? I) RAM II) Cache III) Magnetic Disk IV) Video Memory

- 1) I, II, III
- 2) II, III, IV
- 3) III, IV, I
- 4) IV, I, II

50. Which of the following are not the characteristic features of the Fourth Generation computers? I) Faulty Component Replacement without Shut Down II) Notebook Computers III) GUI IV) Computer supported Co-operative Work

- 1) I & II
- 2) III & IV
- 3) I, II & III
- 4) III, IV & II

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

List - I	List - II
a) Justice party	1) Educational Reforms
b) Vaikom	2) Dravidar Kazhagam
c) Kamaraj	3) Tiruchengodu
d) Gandhi Ashram	4) Travancore

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

52. After Independence, the role of the District Collector has undergone a substantial change due to -

- 1) Rise of political consciousness
 2) Democratic decentralization
 3) Role of Mass media
 4) Public Interest Litigations

53. At present, institutions for the redressal of Citizen's grievances in India include -

- 1) Supreme Court and the Lokpal
 2) Lokpal and the Lokayukta
 3) Lokayukta and the supreme court
 4) Administrative Tribunals and the Lokpal

54. Match the following :

List - I	List - II
a) 1986	1) Voting age reduced from 21 years to 18 years
b) 1989	2) Increase the term of office of the Chief Election Commissioner from 5 to 6 years
c) 1993	3) XIII general election was conducted
d) 1999	4) Appointed one Chief Election Commissioner and two other Commissioners.

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

55. The Electoral college which elects the President of India consists of :

- 1) Elected members of both the houses of Parliament only
 2) Elected members of both the houses of Parliament and elected members of the state Legislative Assemblies
 3) Only elected members of the Loksabha and state Legislatures
 4) Members of the Parliament and State Legislatures

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

List - I	List - II
a) I Schedule	1) Forms of Oaths or Affirmation
b) II Schedule	2) Allocation of seats in the council of states
c) III Schedule	3) The States and Union Territories
d) IV Schedule	4) Provisions of the President, Vice president, Speaker & Governor's Salary

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

57. Identify the missing number

4	8	8	5
8	5	6	5
6	7	8	12
8	7	8	?

- A. 5
- B. 6
- ~~C. 4~~
- D. 8

58. If the square of 'x' varies as the cube of 'y' and $x = 3$ when $y = 4$, find the value of y when $x = \frac{1}{\sqrt{3}}$.

- ~~A. $\frac{4}{3}$~~
- B. $\frac{3}{4}$
- C. $\frac{1}{3}$
- D. $\frac{1}{4}$

59. Three of the following four groups of letters are alike in a certain way and hence form a group. Which one is different ? (A) AKDGB (B) FPILG (C) NXQTO (D) LUOQM

- 1) A
- 2) B
- 3) D
- ~~4) C~~

60. The Panama canal was opened in order to allow ship to sail -

- ~~1) Between the Atlantic and Pacific Ocean~~
- 2) Between the Atlantic and the Indian Ocean
- 3) Between the Atlantic and Gulf
- 4) Between the Pacific and Indian Ocean

AE INDUSTRIES - GENERAL STUDIES

61. Which method of data collection covers the widest area ?

- 1) Telephone interview method
- 2) Mailed questionnaire method
- 3) Direct interview method
- 4) All of these

62. 'Stub' of a table is the -

- 1) Left part of the table describing the columns
- 2) Right part of the table describing the columns
- 3) Right part of the table describing rows
- 4) Left part of the table describing rows

63. When all classes have equal width, the heights of the rectangles in Histogram will be numerically equal to the -

- 1) Class frequencies
- 2) Class boundaries
- 3) Both
- 4) None of these

64. Which of the following substances are produced and stored by plants to protect their leaves from being eaten ? a) Calcium oxalate b) Silica bodies c) Tannins d) Oil and fat

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

65. Stamens are branched in which of the following plants ?

- 1) Castor
- 2) Nerium
- 3) Canna
- 4) Calotropis

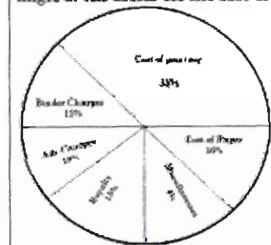
66. Consider the following statements : Assertion (A) : When proteins are oxidized, the RQ value is less than one. Reason (R) : The proportion of oxygen to carbon in proteins is more, than in carbohydrates.

- 1) (A) and (R) are true and (R) is the correct
- 2) (A) and (R) are true but (R) is not a correct explanation of (A)
- 3) (A) is true but (R) is false
- 4) (A) is false but (R) is true

67. $\log_5 5 \cdot \log_4 9 \cdot \text{Log}_3 2$ simplifies to -

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

68. This circle graph shows the expenditure incurred in bringing out a book by a publisher. What should be the central angle of the sector for the cost of paper?



- A. 22.5°
- B. 16°
- C. 54.5°
- D. 57.6°

69. In a certain code 'BACK' is written as '5914' and 'KITE' is written as '4876'. How is 'BEAT' written in that code ?

- 1) 5697
- 2) 5967
- 3) 4697
- 4) 5684

70. The H.C.F of two numbers is 4 and their L.C.M is 576. If one of the numbers is 64.

Find the other number.

- 1) 64 ~~2) 36~~
 3) 66 4) 46

71. The product of two positive numbers is 120 and the sum of their squares is 289. The sum of the number is :

- 1) 20 ~~2) 23~~
 3) 169 4) 26

72. □

If $a : b = c : d$ then $\frac{ma + nc}{mb + nd}$ is :	
A.	m : n
B.	n : m
C.	a : b
D.	b : a

□

73. Anand and Deepak started a business investing Rs. 22,500 and Rs.35,000 respectively. Out of the total profit of Rs.13,800 Deepak's share is :

- 1) Rs. 5400 2) Rs. 7200
~~3) Rs. 8400~~ 4) Rs.9600

74. In 10 years, A will be twice as old as B was 10 years ago. If A is now 9 years older than B, then the present age of B is :

- 1) 19 years ~~2) 39 years~~
 3) 49 years 4) 29 years

75. Some schools are houses. All houses are kitchens. The conclusions are - I) All schools are kitchens II) Some schools are kitchens III) Some houses are schools IV) All kitchens are schools Which of the following conclusion is correct?

- 1) Only I and IV follows 2) Only II follows
~~3) Only II and III follows~~ 4) Only I follows

76. A boy had 85 currency notes of Rs. 100 denomination and Rs. 50 denomination totaling Rs. 5000 in all. What was the amount of Rs.50 denominations he had ?

- 1) Rs. 2250 ~~2) Rs. 3500~~
 3) Rs. 1500 4) Rs.1250

77. Mitochondria and meiosis are absent in -

- ~~1) Blue green algae~~ 2) Green algae
 3) Red algae 4) Brown algae

78. First food bank was inaugurated in India on June 8th 2012, at _____.

- 1) Assam ~~2) Mumbai~~
 3) Calcutta 4) New Delhi

79. In 2012, Noble prize in Chemistry was won by -

- 1) Sir John B. Gurdon & Shinya Yamanaka 2) Alvin . E . Roth & Lloyd . S. Shapley
 3) Serge Haroche & David . J. Wine land 4) Robert J.Lefkowitz & Brian K.Kobilka

80. The winner of 2012 mixed doubles of Australian open in tennis is :

- 1) Leander Paes, Maria Sharapova 2) Rohan Bopanna, Serina Williams
 3) Rafael nadal, Victoria Azarenka 4) mahesh Bhupati, Sania Mirza

81. Pick out the wrong match about US open grand slam in Tennis .

	Year	Title Winner
A.	2009	Roger Federer
B.	2010	Rafael Nadal
C.	2011	Novak Djokovic
D.	2012	Andy Murray

82. Pick out the incorrect statement about GSAT-10 Satellite.

- 1) It is Geo stationary satellite 2) It was launched on 29th September, 2012
 3) It's launch vehicle is PSLV-C19 4) It has 30 communication transponders

83. List - I to be matched with List - II. Choose the right answer from the codes given below.

List - I (States)	List - II (Government)
1) Odisha	a) Shekhar Dutt
2) Uttar Pradesh	b) Ranjit Shekhar Meeshahary
3) Meghalaya	c) Banwari Lal Joshi
4) Chattisgarh	d) Murlidhar Chandrakant Bhandari

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

84. Expand GEF.

- 1) Global Environment Facility 2) Global Ecological Factor
 3) Green Effect Facility 4) Gross Environmental Factor

85. Eradication of fresh water breeding day biting mosquito will prevent which of the following disease ?

- 1) Malaria 2) Filariasis
 3) Chikungunya 4) Dengue fever

86. **Cyprus P Mistry is the Chairman of which organisation?**

- 1) Cognizant Technologies
 2) Tata Sons
 3) Bharati Airtel
 4) Hewlett Packard

87. Match List - I with List - II and select the correct answer from the codes given below.

List - I	List - II
a) Bankimoon	1) Director General UNESCO
b) Robert Zoellick	2) President, I.C.J
c) Ms. Irina Bokova	3) President W.B
d) Hisashi Owada	4) General Secretary, U.N.O

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

88. **11th December 2012 is special for the British physicist, Stephen Hawking as he wins the -**

- 1) Nobel prize in the field of Physics
 2) Fundamental Physics prize
 3) Nobel prize for Peace
 4) Lifetime Achievement Award

89. **The Indian communication satellite GSAT-10 was launched in 2012 from -**

- 1) Kazakhstan
 2) India
 3) Russia
 4) French Guiana

90. **The cricketer and former captain of the Australian cricket team, who announced his retirement from International Test cricket on 3rd December 2012 is :**

- 1) Adam Gilchrist
 2) Shane Warne
 3) Ricky Ponting
 4) Michael Clarke

91. **Spain won the Euro cup 2012 by defeating -**

- 1) Italy
 2) Brazil
 3) Argentina
 4) France

92. **The Indian Boxing champion who has won the Women's world Boxing championship for the sixth time is:**

- 1) Mary Koms
 2) Kavita Chahal
 3) Sarita Devi
 4) P.V.Sindhu

93. **Fill in the blanks : _____ and _____ are meeting at the cape of Good Hope.**

- 1) Indian Ocean, Atlantic Ocean
 2) Pacific Ocean, Arctic Ocean
 3) Red Sea, Black Sea
 4) Caribbean Sea, Mediterranean Sea

94. Match the following

Author	Book
1) Indira Gandhi	a) Experiments with untruth
2) Mahatma Gandhi	b) Freedom at Midnight
3) Larry Collins and Dominique Lapierre	c) Nonviolence in Peace and War
4) Michael Anderson	d) My Truth

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

95. Fill in the Blanks : Music Director _____ was chosen for the Sangeet Natak Akademi Awards 2012.

- 1) A.R Rahman
 2) Harris Jayaraj
 3) M.S Vishwanathan
 4) Ilayaraja

96. Who is the father of the "White Revolution"?

- 1) Verghese Kurian
 2) Mahatma Gandhi
 3) Adam Smith
 4) Dr. M.S. Swaminathan

97. Assertion (A) : Grease is used in heavy machinery as lubricant. Reason (R) : Grease is highly viscous and reduces friction.

- 1) Both (A) and (R) are true and (R) is the correct explanation of (A)
 2) Both (A) and (R) are true and (R) is not the correct explanation of (A)
 3) (A) is true but (R) is false
 4) (A) is false but (R) is true

98. The reason for the formation of 'Mirage' is :

- 1) Un equal heating of different parts of the atmosphere
 2) Magnetic disturbances in the atmosphere
 3) Depletion of Ozone layer
 4) Polarization of light

99. Consider the following statements and select your answer : Assertion (A) : Fraunhofer lines are dark lines in solar spectrum Reason (R) : They are absorption lines due to the elements present in earth's atmosphere.

- 1) Both (A) and (R) are individually true and (R) is the correct explanation of (A)
 2) Both (A) and (R) are individually true and (R) is not the correct explanation of (A)
 3) (A) is true but (R) is false
 4) (A) is false but (R) is true

100. A 2Kg stone at the end of the string 1m long is whirled in a vertical circle at a constant speed. The tension in the string will be maximum when the stone is :

- 1) At the top of the circle
 2) At the left extreme position
 3) At the bottom of the circle
 4) At the right extreme position