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SI Preliminary 2016**



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CPSE(Prelim) – 2016 – Set – 2
GA

Time : 1½ hours

Full Marks : 100

Each question carries 1 mark.

There is negative marking of 0.25 mark for each wrong answer.

Answer all questions, choosing the correct one from the alternatives suggested and darken the appropriate circle using BLUE or BLACK BALL POINT PEN.

1. Fill in the blank :

ELFA, GLHA, ILJA, _____,

MLNA.

(1) OLPA

(2) KLMA

(3) LLMA

(4) KLLA

3. Fill in the blank :

QAR, RAS, SAT, TAU, _____

(1) UAV

(2) UAT

(3) TAS

(4) TAT

2. Fill in the blank :

CMM, EOO, GQQ, _____, KUU

(1) GRR

(2) GSS

(3) ISS

(4) ITT

4. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had :

(1) 588 apples

(2) 600 apples

(3) 672 apples

(4) 700 apples

$420 = 60\% \text{ of } x$
 $420 = \frac{60}{100} \times x$
 $420 \times 100 = 60x$
 $x = \frac{420 \times 100}{60}$
 $x = 700$

5. In a certain school, 20% of students are below 8 years of age. The number of students above 8 years of age is $\frac{2}{3}$ of the number of students of 8 years of age which is 48. What is the total number of students in the school?
- (1) 72
(2) 80
(3) 120
(4) 100
6. PM Modi launched the RuPay Card in which among the following gulf countries, recently?
- (1) UAE
(2) Bahrain
(3) Saudi Arabia
(4) Oman
7. Which country has lost its first glacier named, "Okjokull glacier" due to the climate change?
- (1) Finland
(2) Iceland
(3) Norway
(4) Denmark
8. The largest international airline in the world is _____
- (1) Indigo
(2) Emirates
(3) American Airlines Group
(4) Southwest Airlines
9. Who is the present Governor of J & K?
- (1) Tathagatha Roy
(2) Satya Pal Malik
(3) Lalji Tandon
(4) Ganga Prasad
10. Which continent has the maximum number of countries?
- (1) South America
(2) Europe
(3) Asia
(4) Africa
11. Which country's Cricket Association announced a new guidelines with the International Cricket Council's (ICC) gender recognition policy to include transgender players to play cricket?
- (1) England
(2) Bangladesh
(3) Australia
(4) New Zealand

12. South Korea has decided to remove which of the following countries from preferred Trade List ?
- (1) North Korea
 - (2) China
 - (3) India
 - (4) Japan
13. Which of the following international boundaries was the demarcation line between N. Korea and S. Korea ?
- (1) 50th Parallel
 - (2) 49th Parallel
 - (3) 38th Parallel
 - (4) 37th Parallel
14. PM Modi recently inaugurated Mangdechhu Hydroelectric Power Plant in which country ?
- (1) Bangladesh
 - (2) Bhutan
 - (3) Sri Lanka
 - (4) Malaysia
15. Which country agree to strengthen cooperation in addressing maritime issues along with Coast Guards of India ?
- (1) Sri Lanka
 - (2) Bangladesh
 - (3) Russia
 - (4) Bhutan
16. A group of glands which produce various hormones is called :
- (1) Respiratory System
 - (2) Excretion
 - (3) Endocrine System
 - (4) Central Nervous System
17. Which of the following is not a synthetic fibre ?
- (1) Nylon
 - (2) Polyester
 - (3) Acrylic
 - (4) Silk
18. The unit of current is :
- (1) Ohm
 - (2) Watt
 - (3) Ampere
 - (4) None of these
19. The predominant gases that constitute the sun are :
- (1) Hydrogen and Helium
 - (2) Hydrogen and Methane
 - (3) Methane and Helium
 - (4) Methane and CO₂

20. Which one of the following is the richest source of Vitamin C ?

- (1) Guava
- (2) Pineapple
- (3) Orange
- (4) Tomato

21. Which one of the following is not correctly matched ?

- (1) Tuberculosis : Lungs
- (2) Filaria : Lymph nodes
- (3) Encephalitis : Heart
- (4) Leukaemia : Blood cells

22. Brass gets discoloured in air because of the presence of which of the following gases in air ?

- (1) Oxygen
- (2) Hydrogen sulphide
- (3) Carbon dioxide
- (4) Nitrogen

23. Which of the following is used in pencils ?

- (1) Graphite
- (2) Silicon
- (3) Charcoal
- (4) Phosphorous

24. Production of chlorofluorocarbons (CFC) gas which is proposed to be banned in India is used in which of the following domestic products ?

- (1) Television
- (2) Refrigerator
- (3) Tubelight
- (4) Cooking gas

25. Balloons are filled with :

- (1) Nitrogen
- (2) Helium
- (3) Oxygen
- (4) Argon

26. The element common to all acids is :

- (1) Hydrogen
- (2) Carbon
- (3) Sulphur
- (4) Oxygen

27. Non stick cooking utensils are coated with :

- (1) Teflon
- (2) PVC
- (3) Black paint
- (4) Polystyrene

28. Which is laughing gas ?

- (1) Nitrous Oxide
- (2) Carbon Monoxide
- (3) Sulphur Dioxide
- (4) Hydrogen Peroxide

29. The filament of an electric bulb is made up of :
- (1) Tungsten
 - (2) Nichrome
 - (3) Graphite
 - (4) Iron
30. Diamond is an allotropic form of :
- (1) Germanium
 - (2) Carbon
 - (3) Silicon
 - (4) Sulphur
31. Permanent hardness of water may be removed by the addition of :
- (1) Sodium Carbonate
 - (2) Alum
 - (3) Potassium Permanganate
 - (4) Lime
32. Soda water contains :
- (1) Carbonic acid
 - (2) Sulphuric acid
 - (3) Carbon dioxide
 - (4) Nitrous acid
33. By when the 'Housing for all' scheme under Pradhan Mantri Awas Yojana will be achieved ?
- (1) 2020
 - (2) 2023
 - (3) 2025
 - (4) 2027
34. Which State Transport Corporation has launched a live tracking system for the public buses ?
- (1) Karnataka
 - (2) Uttar Pradesh
 - (3) Maharashtra
 - (4) Delhi
35. 'Quality Unknown : The Invisible Water Crisis.' This report is made by which organization ?
- (1) UNESCO
 - (2) UNICEF
 - (3) WHO
 - (4) World Bank
36. The scientist who first discovered that the earth revolves round the sun was :
- (1) Newton
 - (2) Dalton
 - (3) Copernicus
 - (4) Einstein
37. For which of the following disciplines is Nobel Prize awarded ?
- (1) Physics and Chemistry
 - (2) Physiology or Medicine
 - (3) Literature, Peace and Economics
 - (4) All of these

38. The only Indian woman who became President of the World Health Organization so far is :
- (1) Smt. Kamala Devi Chattopadhyaya
 - (2) Raj Kumari Amrit Kaur
 - (3) Smt. Vijayalakshmi Pandit
 - (4) Dr. Sushila Nayar
39. The number of chromosomes in human body is :
- (1) 42
 - (2) 44
 - (3) 46
 - (4) 48
40. Philology is the :
- (1) Study of bones
 - (2) Study of muscles
 - (3) Study of architecture
 - (4) Science of languages
41. Satellite launching station is located at:
- (1) Sriharikota (Andhra Pradesh)
 - (2) Solapur (Maharashtra)
 - (3) Salem (Tamilnadu)
 - (4) Warangal (Andhra Pradesh)
42. The 'Black flag' signifies :
- (1) Revolution / Danger
 - (2) Peace
 - (3) Protest
 - (4) Truce
43. Who is the head of the National Council for Transgender persons ?
- (1) Minister of Home Affairs
 - (2) Minister of Law and Justice
 - (3) Minister of Health and Family Welfare
 - (4) Minister for Social Justice
44. Who among the following has been conferred the Bharat Ratna honour ?
- (1) Manmohan Singh
 - (2) Pranab Mukherjee
 - (3) Arun Jaitley
 - (4) Meira Kumar
45. Todar Mal was associated with :
- (1) Music
 - (2) Literature
 - (3) Finance
 - (4) Law
46. The system of Dual Government during the latter half of the 18th Century AD is associated with the name of :
- (1) Clive
 - (2) Cornwallis
 - (3) Warren Hastings
 - (4) William Bentinck

47. Under whose leadership was the All India Muslim League set up ?

- (1) Mohammed Ali Jinnah
- (2) Sayyid Ahmad Khan
- (3) Aga Khan
- (4) All of them

48. The Kalinga War was fought in :

- (1) 321 BC
- (2) 301 BC
- (3) 261 BC
- (4) 241 BC

49. The theory of economic drain of India during British Imperialism was propounded by :

- (1) Jawaharlal Nehru
- (2) Dadabhai Naoroji
- (3) R. C. Dutt
- (4) M. K. Gandhi

50. Choose the correct word :

_____ is made from flour.

- (1) Bread
- (2) The bread
- (3) A bread
- (4) Breads

51. _____ Mahanadi looks frightening in the rainy season.

(Use correct article)

- (1) A

(2) The

(3) An

(4) No article

52. Tick the correct sentence :

- (1) I am going to office
- (2) I am going to the office
- (3) I am going to a office
- (4) I am going to an office

53. Mark the correct one :

- (1) The lecture was rather boring
- (2) The lecture was fairly boring
- (3) The lecture was hardly boring
- (4) The lecture was hard boring

54. He is quite blind _____ her faults.
(Choose the correct preposition)

- (1) to
- (2) at
- (3) for
- (4) with

55. _____ what I say in the class.

(Choose the correct phrasal verb to complete the sentence)

- (1) Draw out
- (2) Put down
- (3) Fore down
- (4) Pull down

56. How do we generally end an application to the authority?

(Tick the correct one)

- (1) Your's sincerely
- (2) Yours faithfully
- (3) Your's faithfully
- (4) Yours sincerely

57. Tick the correct one :

- (1) I wish I had succeeded
- (2) I wish I have succeeded
- (3) I hope I had succeeded
- (4) I desire I had succeeded

58. A stitch in time saves _____
(Choose the correct number)

- (1) Six
- (2) Seven
- (3) Eight
- (4) Nine

59. What is the time _____ your watch?

(Choose any word given below to fill up the blank)

- (1) by
- (2) in
- (3) of
- (4) from

60. Which among the following Articles is not related to the right to equality?

- (1) Article 13
- (2) Article 14
- (3) Article 15
- (4) Article 16

61. Devaluation of a currency means :

- (1) Reduction in the value of a currency vis-a-vis major internationally traded currencies
- (2) Permitting the currency to seek its worth in the international market
- (3) Fixing the value of the currency in conjunction with the movement in the value of a basket of pre-determined currencies
- (4) Fixing the value of currency in multilateral consultation with the IMF, the World Bank and the major trading partners

62. The co-operative credit societies have a :

- (1) Two-tier structure
- (2) Three-tier structure
- (3) Four-tier structure
- (4) Five-tier structure

63. The annual yield from which of the following Union Government taxes is the highest ?

- (1) Custom duties
- (2) Corporation tax and income tax
- (3) Inheritance tax, wealth tax, interest tax and gift tax
- (4) Excise duties

64. Redistribution policies geared to reduce economic inequalities include :

- (1) Progressive tax policies
- (2) Land reforms
- (3) Rural development policies
- (4) All of these

65. In India, which one among the following formulates the fiscal policy ?

- (1) Planning Commission
- (2) Ministry of Finance
- (3) Finance Commission
- (4) The Reserve Bank of India

66. Deficit financing implies :

- (1) Printing new currency notes
- (2) Replacing new currency with worn out currency

(3) Public expenditure in excess of public revenue

(4) Public revenue in excess of public expenditure

67. Name the Indian City, which is introduced for its iconic architectural legacy, into UNESCO's list of the World Heritage Sites :

- (1) Green City – Gandhinagar
- (2) Blue City – Jodhpur
- (3) Pink City – Jaipur
- (4) White City – Udaipur

68. What is the currency of China ?

- (1) Yuan
- (2) Yen
- (3) Chinese Dollar
- (4) Real

69. Which IIT has developed Hydro Thermal Carbonization (HTC) technology for solid waste management ?

- (1) IIT Kanpur
- (2) IIT Madras
- (3) IIT Kharagpur
- (4) IIT Delhi

70. Which sport is excluded from the Commonwealth Games (CWG) 2022 ?

- (1) Shooting
- (2) Badminton
- (3) Tennis
- (4) Football

71. How many spokes are there in the Ashok Chakra ?

- (1) 22
- (2) 24
- (3) 28
- (4) 32

72. President Ram Nath Kovind inaugurated the first-ever World Youth Conference in which city ?

- (1) Kolkata
- (2) Delhi
- (3) Pune
- (4) Hyderabad

73. Which of the following movement was launched on 8th August, 1942 ?

- (1) Quit India Movement
- (2) Dandi March
- (3) Non Cooperation Movement
- (4) Swadeshi Movement

74. What is the name of New Water Conservation Scheme announced

by the Finance Minister, Nirmala Sitharaman during budget 2019 ?

- (1) Jal Jeevan Mission
- (2) Jal Jyoti Mission
- (3) Jal Sanrakshan Mission
- (4) Samaan Jal Adhikar Mission

75. Inert gases were discovered by _____

- (1) Dalton
- (2) Newton
- (3) Roentgen
- (4) Ramsay

76. Name of the world's fastest bullet train that is tested by Japan recently :

- (1) ALFA-X
- (2) Renfe AVE
- (3) Korail KTX
- (4) Maglev

77. In banking, 'ATM' stands for :

- (1) Asynchronous Transfer Mode
- (2) Any Time Money
- (3) Automated Teller Machine
- (4) Automatic Transaction Machine

78. The term 'FTZ' stands for :

- (1) Fast Track Zone
- (2) Free Trade Zone
- (3) Foreign Trading Zone
- (4) Fast Trade Zone

79. Who was the first Indian Scientist to win a Nobel Prize ?
- (1) C. V. Raman
 - (2) Amartya Sen
 - (3) Hargobind Khorana
 - (4) Subramanian Chandrashekhar

80. Who was the first President of India ?
- (1) Abdul Kalam
 - (2) Lal Bahadur Shastri
 - (3) Dr. Rajendra Prasad
 - (4) Zakir Hussain

81. Who was the first Indian to win the Booker Prize ?
- (1) Dhan Gopal Mukherji
 - (2) Nirad C. Chaudhuri
 - (3) Arundhati Roy
 - (4) Aravind Adiga

82. A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The sum is :
- (1) Rs. 650
 - (2) Rs. 690
 - (3) Rs. 698
 - (4) Rs. 700

83. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months.

- How much sale must he have in the sixth month so that he gets an average sale of Rs. 6500 ?
- (1) Rs. 4991
 - (2) Rs. 5991
 - (3) Rs. 6001
 - (4) Rs. 6991

84. If one-third of one-fourth of a number is 15, then three-tenth of that number is :
- $\frac{1}{3} \times \frac{1}{4} \times n = 15 \Rightarrow \frac{n}{12} = 15 \Rightarrow n = 15 \times 12 = 180$
- (1) 35
 - (2) 36
 - (3) 45
 - (4) 54

85. The difference between a two-digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number ?
- (1) 3
 - (2) 4
 - (3) 9
 - (4) Cannot be determined

86. A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is :
- (1) 18
 - (2) 24
 - (3) 42
 - (4) 81

FW - 1B/22

(13)

(Turn over)

Handwritten calculations for question 82:

$$P + 815 = 975 - 117 = 858$$

$$P + 854 = 954 - 141 = 813$$

$$858 - 813 = 45$$

Handwritten calculations for question 83:

$$6435 + 6927 + 6855 + 7230 + 6562 = 34009$$

$$\frac{34009}{5} = 6801.8$$

Handwritten calculations for question 86:

$$6508 - 18 = 6490$$

$$\frac{6490}{10} = 649$$

Handwritten note: $\frac{5}{36}$

87. What least number must be added to 1056, so that the sum is completely divisible by 23?

- (1) 2
- (2) 3
- (3) 18
- (4) 21

$$\begin{array}{r} 23 \overline{) 1052} \quad | \quad 45 \\ \underline{92} \\ 132 \\ \underline{116} \\ 16 \end{array}$$

88. Find out the wrong number in the series :

196, 169, 144, 121, 100, 80, 64

- (1) 169
- (2) 144
- (3) 121
- (4) 80

89. Find the odd one out :

1, 3, 5, 11, 14, 17, 21

- (1) 21
- (2) 17
- (3) 14
- (4) 3

90. A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share?

- (1) Rs. 500
- (2) Rs. 1500
- (3) Rs. 2000
- (4) None of these

$$\begin{array}{cccc} A & B & C & D \\ \frac{5}{12} & \frac{2}{12} & \frac{4}{12} & \frac{3}{12} \end{array} \quad \begin{array}{l} \text{---} \\ \text{---} \\ \text{---} \\ \text{---} \end{array} \quad \begin{array}{l} \text{---} \\ \text{---} \\ \text{---} \\ \text{---} \end{array} \quad \begin{array}{l} \text{---} \\ \text{---} \\ \text{---} \\ \text{---} \end{array}$$

$15 = 1000$
 $30 = 2000$
 $1100 \times 20 = 22000$

91. There are two examination rooms A and B. If 10 students are sent from A to B, then the number of students in each room is the same. If 20 candidates are sent from B to A, then the number of students in A is double the number of students in B. The number of students in room A is :

- (1) 20
- (2) 80
- (3) 100
- (4) 200

92. Which word does NOT belong with the other?

- (1) Branch
- (2) Dirt
- (3) Leaf
- (4) Root

93. Which word does NOT belong with the others?

- (1) Unimportant
- (2) Trivial
- (3) Insignificant
- (4) Familiar

94. Marathon is to race as hibernation is to:

- (1) Winter
- (2) Bear
- (3) Dream
- (4) Sleep

95. Tanya is older than Eric. *c7772*
 Cliff is older than Tanya.
 Eric is older than Cliff.
 If the first two statements are true, the third statement is :

- (1) True
- (2) False
- (3) Uncertain
- (4) None of these

96. Mara runs faster than Gail.
 Lily runs faster than Mara. *cmh*
 Gail runs faster than Lily.
 If the first two statements are true, the third statement is :

- (1) True
- (2) False
- (3) Uncertain
- (4) None of these

97. An Informal Gathering occurs when a group of people get together in a casual, relaxed manner. Which situation below is the best example of an Informal Gathering ?

- (1) The book club meets on the first Thursday evening of every month.
- (2) After finding out about his promotion, Jeremy and a few coworkers decide to go out for a quick drink after work.

(3) Mary sends out 25 invitations for the bridal shower she is giving for her sister.
 (4) Whenever she eats at the Mexican restaurant, Clara seems to run into Peter.

98. Choose the word that is a necessary part of the italies word *gala* :

- (1) Celebration
- (2) Tuxedo
- (3) Appetizer
- (4) Orator

99. Two numbers are in the ratio of 4 : 5 and the product of the two is 8820. What is the sum total of the two numbers ?

- (1) 180
- (2) 189
- (3) 198
- (4) 207

Handwritten calculations:
 $4x \cdot 5x = 8820$
 $20x^2 = 8820$
 $x^2 = 441$
 $x = 21$
 $4x = 84$
 $5x = 105$
 Sum = 189

100. Fill in the blank :

FAG, GAF, HAI, IAH, TAK

- (1) JAK
- (2) HAL
- (3) HAK
- (4) JAI

