106/2022-M

Maximum : 100 marks

Time : 1 hour and 30 minutes

1. Goa was captured by Portuguese under the viceroyalty of :

(A) Francisco de Almida
(B) Alfonso de-Albuquerque
(C) Vasco da Gama
(D) Nuno da cunha

2. 'Samatva Samajam' was the organisation established by :

(A) Chattampi Swamikal
(B) Sri Narayana Guru
(C) Swami Vagbhatananda
(D) Vaikunta Swami

3. 'Mathrubhumi' was established in the year :

(A) 1921
(B) 1922
(C) 1923
(D) 1924

4. The word secular was added to the Indian Constitution during Prime Ministership of :

(A) Jawaharlal Nehru
(B) Morarji Desai
(C) Indira Gandhi
(D) Lal Bahadur Shastri

5. 'The Declaration of the Rights of Man and of the Citizen' is associated with :

(A) English Revolution
(B) American War of Independence
(C) Chinese Revolution
(D) French Revolution

6. Who is known as the Father of the 'Yakshagana'?

(A) Vallathol
(B) Raman Pillai
(C) Maharaja Swathi Thirunal
(D) Parthi Subha

7. Who won the first individual Gold Medal in Olympics for India?

(A) Abhinav Bindra
(B) Neeraj Chopra
(C) P.V. Sindhu
(D) Mirabai Chanu

8. 'Kochi Rajya Charitram' (1912) was written by :

(A) K.P. Padmanabha Menon
(B) Attur Krishna Pisharadi
(C) K. Damodaran
(D) P.C. Manavikraman Raja

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9. Which among the following is considered as the biggest gathering of Christians in Asia?

(A) St. Sebastian's feast at Arthungal
(B) Malayattur festival
(C) Puthupathy festival
(D) Maramon convention

10. Who is the current President of Ukraine?

(A) Volodymyr Zelenskyy
(B) Petro Poroshenko
(C) Viktor Yanukovych
(D) Viktor Yushchenko

11. Sandstone is an example of :

(A) Metamorphic rock
(B) Igneous rock
(C) Sedimentary rock
(D) None of the above

12. Identify the largest irrigation project in Kerala :

(A) Kallada
(B) Idamalayar
(C) Kuttiyadi
(D) Thenmala

13. Which among the following are involved in the process of heating of the atmosphere?

(i) Conduction
(ii) Advection
(iii) Convection
(iv) Infiltration

(A) (i) and (ii) only
(B) (i) and (iii) only
(C) (i), (ii) and (iii) only
(D) All the above

14. Formation of U-shaped valley is associated with :

(A) Running water
(B) Underground water
(C) Sea waves
(D) Glaciers

15. Which among the following pairs are correctly matched?

	Nuclear power station	State
(i)	Narora	Uttar Pradesh
(ii)	Rawatbhata	Madhya Pradesh
(iii)	Tarapur	Maharashtra
(iv)	Kaiga	Karnataka

(A) (i), (ii) and (iii)
(B) (i), (iii) and (iv)
(C) (ii), (iii) and (iv)
(D) All the above

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16. Zaporizhzhia Nuclear power plant is located in which country

(A) Russia (B) Ukraine

(C) Japan (D) China

17. Which of the following programme was/were related to the Green revolution in India?

(i) Intensive Agriculture District Programme (IAUP)

(ii) Intensive Agricultural Area Programme (IAAP)

(iii) High Yielding Varieties Programme (HYVP)

(iv) Structural Adjustment Programme (SAP)

(A) Only (i), (ii) and (iv) (B) Only (i), (iii) and (iv)

(C) Only (i), (ii) and (iii) (D) Only (ii), (iii) and (iv)

18. Which among the following income tax rate is applicable to a normal resident individual other than senior and super senior citizen in India at present?

(i) Up to Rs. 2,50,000 – Nil

(ii) Rs. 2,50,000 to Rs. 5,00,000 – 5%

(iii) Rs. 5,00,000 to Rs. 10,00,000 – 10%

(iv) Above Rs. 10,00,000 – 20%

(A) Only (i) and (ii) (B) Only (i), (iii) and (iv)

(C) Only (iii), (iv) (D) All the above

19. The strategy of industrialization of the second five year plan had the following element/s :

(i) Increase the rate of investment as the development depends upon the rate of investment.

(ii) Rapid expansion of productive power by increasing the proportion of investment in heavy and capital goods sectors.

(iii) Providing more conducive atmosphere to the private sector.

(iv) Increasing the scope and importance of public sector.

(A) (i), (ii) and (iii) (B) (ii), (iii) and (iv)

(C) (i), (ii) and (iv) (D) (i), (iii) and (iv)

20. As per Article 279A of the amended Constitution of India, the chairperson of the GST Council is :

(A) The President of India

(B) The Union Finance Minister

(C) The Prime Minister

(D) None of the Above

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21. Which among the following committee is connected with the capital account convertibility of Indian rupee?

(A) Tarapore committee
(B) Tiwari committee
(C) Chellaiah committee
(D) Narasimham committee

22. Who is the present Chief Executive Officer of NITI Aayog in India?

(A) Dr. Rajiv Kumar
(B) Dr. K. Rajeswara Rao
(C) Rao Inderjit Singh
(D) Amitabh Kant

23. Ex-officio chairperson of Rajyasabha is :

(A) Vice President of India
(B) Prime Minister of India
(C) Finance Minister of India
(D) Speaker of Loksabha

24. "Article-32 is the heart and soul of the Indian Constitution" :

(A) Dr. B.R. Ambedkar
(B) Dr. Ram Manohar Lohya
(C) Dr. Rajendra Prasad
(D) Dr. S. Radhakrishnan

25. 'Right to property is not a fundamental right. Now it is a legal right'. Mention the article :

(A) Article 21 A
(B) Article 51 A
(C) Article 300 A
(D) Article 370 A

26. "India is a quasi-federal system" – Who said?

(A) K.C. Wheare
(B) D.D. Basu
(C) A.V. Dicey
(D) Madison

27. Minto – Morley reforms act was in :

(A) 1858
(B) 1861
(C) 1892
(D) 1909

28. The constitutional day is observed on :

(A) November 26
(B) January 26
(C) December 25
(D) April 14

29. The word 'secular' was inserted in the preamble by which amendment?

(A) 44^{th}
(B) 42^{nd}
(C) 62^{nd}
(D) 73^{rd}

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30. Which part of the constitution deals with the fundamental rights?

(A) Part IV (B) Part V

(C) Part III (D) Part VI

31. High Court can issue the writ by the article :

(A) Article 226 (B) Article 32

(C) Article 356 (D) Article 370

32. The governor of the State is appointed by which article of the Constitution :

(A) Article 153 (B) Article 156

(C) Article 158 (D) Article 163

33. Goods and Services Tax (GST) came into force from :

(A) July 31, 2017 (B) July 1, 2017

(C) July 31, 2018 (D) July 1, 2018

34. "Sayamprabha – Home" project initiated by the social justice department offers day care facilities to :

(A) Senior citizens (B) Mentally challenged children

(C) Orphans (D) Visually challenged children

35. Which amendment of Indian Constitution is related to Panchayathi Raj?

(A) 43rd (B) 53rd

(C) 63rd (D) 73rd

36. The 104th Amendment in 2019 is related to

(A) The abolition of Anglo-Indian Representation in Parliament

(B) The Power to identify SEBC's back to State Government

(C) National Goods and Services Tax

(D) Transfer of some territories to Bangladesh

37. 'The spirit of law' is written by :

(A) A.V. Dicey (B) J.S. Mill

(C) Austin (D) Montesquieu

38. Which one of the following is wrongly matched?

(A) Cholera – Protozoa (B) Whooping Cough – Bacteria

(C) Common cold – Rhino virus (D) Filariasis – Helminthes

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39. Pain occuring in muscles during workout is usually due to the building up of :

(A) Acetic acid
(B) Hydrochloric acid
(C) Lactic acid
(D) Citric acid

40. The protocol amended in 1990 to protect the Ozone layer by completely phasing out CFC is :

(A) Kyoto Protocol
(B) Cartagena Protocol
(C) Stockholm Convention
(D) Montreal Protocol

41. Pollution of water bodies by Mercury causes :

(A) Minamata disease
(B) Itai-Itai disease
(C) Displexia
(D) Skin cancer

42. Which of the following is a government scheme in India to provide financial support to TB patients for their nutrition?

(A) Gobar – Dhan Yojana
(B) Nikshay Poshan Yojana
(C) Janani Suraksha Yojana
(D) Jan Dhan Yojana

43. A beam of white light splits in to its constituent colours when passed through a glass prism and also when it is passed through a grating, which one of the following statements are true

(A) The most deviated colour is red in both cases.
(B) The most deviated colour is violet in both cases
(C) Red is most deviated and violet is least deviated in prism spectra
(D) Red is most deviated and violet is least deviated in grating spectra

44. Two masses $M_1 = M$ and $M_2 = 4M$ possess equal amount of kinetic energy, then the ratio of their momenta $p_1 : p_2$ is :

(A) 1 : 4
(B) 4 : 1
(C) 2 : 1
(D) 1 : 2

45. Escape velocity of an object of mass M from the surface of earth is v m/s. Then the value of escape velocity of a mass $2M$ from a planet of diameter 4 times that of earth is :

(A) $\sqrt{2}\ v$ m/s
(B) v m/s
(C) $2\ v$ m/s
(D) $4\ v$ m/s

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46. The Nobel prize for physics in 2017 was awarded to Rainer Weiss, Barry C. Barish and Kip S. Thorne, their contribution for winning the award related :

(A) For decisive contributions to the LIGO detector and the observation of gravitational waves.

(B) For the prediction of gravitational waves with the help of general theory of relativity.

(C) For detecting a huge Black hole in the centre of Milkyway, galaxy.

(D) For theoretical discoveries of topological phase transitions and topological phases of matter.

47. The most reactive element in group 17 is :

(A) Oxygen (B) Sodium

(C) Chlorine (D) Fluorine

48. The pH of human blood is :

(A) Neutral (B) Slightly alkaline

(C) Slightly acidic (D) None of the above

49. The ratio of HCl to HNO_3 in aqua regia is :

(A) 3 : 1 (B) 1 : 3

(C) 1 : 1 (D) 2 : 1

50. The international year of periodic table was celebrated in ———————— year.

(A) 2020 (B) 2019

(C) 2021 (D) 2018

51. A School team won 6 games this year against 4 games won last year. What is the percentage of increase?

(A) 48 (B) 50

(C) 52 (D) 54

52. The rate of working of A and B are in the ratio 3:4. The number of days taken by them to finish the work are in the ratio :

(A) 3:4 (B) 9:16

(C) 4:3 (D) 16:9

53. Determine the length of a train T if it crosses a pole at 60 km/hr in 30 sec :

(A) 500 (B) 520

(C) 540 (D) 560

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54. What is exponential form of 8×8×8×8 taking base as 2?

(A) 2^6 (B) 2^8

(C) 2^{10} (D) 2^{12}

55. Which term of the Arithmetic Progression 21,18,15,……. is –81?

(A) 34 (B) 35

(C) 36 (D) 37

56. What would come at the place of question mark in the number series?

2,10,30,68,?

(A) 140 (B) 120

(C) 130 (D) 135

57. Pick the odd man out :

(A) Iron (B) Sodium

(C) Potassium (D) Chlorine

58. A clock is started at noon. By 10 minutes past by 5, the hour hand has turned through :

(A) 145^o (B) 150^o

(C) 155^o (D) 160^o

59. If seventh day of a month is three days earlier than Friday, What will it be on the nineteenth day of the month?

(A) Sunday (B) Tuesday

(C) Wednesday (D) Monday

60. In one hour, a boat goes 11 km/hr along the stream and 5 km/hr against the stream. The speed of the boat in still water (in km/hr) is :

(A) 3 km/hr (B) 5 km/hr

(C) 8 km/hr (D) 9 km/hr

61. Change into affirmative sentence :

"I do not deny the fact".

(A) I do deny the fact. (B) I am not denying the fact.

(C) I accept the fact. (D) I am accepting the fact.

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62. One of the sheep _____ a bell on its neck.

(A) have (B) having

(C) has (D) have not

63. There is not _____ sugar in the pot.

(A) many (B) much

(C) few (D) little

64. She kept the money in a box made of _____ rosewood.

(A) a (B) an

(C) the (D) no article

65. How _____ you solve the problem yesterday?

(A) does (B) did

(C) do (D) had

66. You and I can do it, _____ ?

(A) can't we? (B) isn't it?

(C) can we? (D) can us?

67. Find a word that means the same as "enthusiasm."

(A) happiness (B) sadness

(C) anger (D) zeal

68. If I were rich, I _____ everyone.

(A) will help (B) helped

(C) helping (D) would help

69. The Collector will interview the candidates _____ 9 a.m. and 11 a.m.

(A) from (B) to

(C) at (D) between

70. The accounts have to be :

(A) looked up (B) looked on

(C) looked at (D) looked into

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71. സമുദ്രം എന്നർത്ഥം വരുന്ന പദം ഏത്?

(A) അബ്ധി (B) അബ്ദി
(C) അബ്ദം (D) അബ്ധം

72. ശരിയായ രൂപം ഏത്?

(A) ആഴ്ചപതിപ്പ് (B) ആഴ്ച്ചപ്പതിപ്പ്
(C) ആഴ്ചപ്പതിപ്പ് (D) ആഴ്ചപതിപ്

73. വിപരീതപദം ഏത്? - ശാന്തം

(A) ക്രോധം (B) ഉഗ്രം
(C) കരുണം (D) വെറുപ്പ്

74. 'നശിപ്പിക്കുക' എന്നർത്ഥം വരുന്ന ശൈലി ഏത്?

(A) കുഴിയിൽ ചാടിക്കുക (B) കണ്ണിൽ മണ്ണിടുക
(C) കച്ച കെട്ടുക (D) കുളം കോരുക

75. 'ആളേറിയാൽ പാമ്പ് ചാകില്ല' - എന്നതിന് സമാനമായ ഇംഗ്ലീഷ് പ്രയോഗം ഏത്?

(A) Too much of anything is good for nothing (B) Slow and steady wins the race
(C) United we stand, divided we fall (D) Too many cooks spoil the broth

76. സ്വർണ്ണം എന്നർത്ഥം വരാത്ത പദം ഏത്?

(A) ഹേമം (B) ഹിരണ്യം
(C) ഹരിണം (D) ഹേമകം

77. ഒറ്റപ്പദമാക്കുക : 'ഋഷിയെ സംബന്ധിച്ചത്'

(A) ആർഷം (B) ആത്മീയം
(C) ഐഹികം (D) ജിജ്ഞാസു

78. പിരിച്ചെഴുതുക : വെഞ്ചാമരം

(A) വെ + ചാമരം (B) വെൻ + ചാമരം
(C) വെൺ + ചാമരം (D) വെഞ് + ചാമരം

79. (,) - വലയത്തിനുള്ളിൽ കൊടുത്തിരിക്കുന്ന ചിഹ്നത്തിന്റെ പേരെന്ത്?

(A) കാകു (B) പൂർണ്ണവിരാമം
(C) വിക്ഷേപിണി (D) അങ്കുശം

80. ശരിയായ വാക്യം കണ്ടെത്തുക :

(A) മൂന്ന് പുസ്തകങ്ങൾ അയാൾ എഴുതി (B) അയാൾ മൂന്ന് പുസ്തകം എഴുതി
(C) അയാൾ പുസ്തകങ്ങൾ മൂന്ന് എഴുതി (D) പുസ്തകങ്ങൾ മൂന്ന് അയാൾ എഴുതി

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81. EBCDIC is :

(A) Processor (B) Computer

(C) Character set (D) Memory

82. Base of octal number system :

(A) 2 (B) 4

(C) 8 (D) 16

83. Decimal equivalent of 1100_B :

(A) 2 (B) 3

(C) 6 (D) 12

84. Which HTTP method used in the following URL?
www.example.com?lang=ML&page=2

(A) POST (B) GET

(C) PUT (D) HEADER

85. Program used to make executable file from a source file is called :

(A) Interpreter (B) Linker

(C) Compiler (D) Debugger

86. What is optical storage device?

(A) Compact Disc (B) Hard Disk

(C) Tape Drive (D) All of these

87. What is the value of sum after the execution of the following code?

```
int sum=0;
for (int i = –5; i<=5; i++)
{
    if (!i) break;
    sum += i;
}
```

(A) 0 (B) –5

(C) –15 (D) 15

88. Protocol used by WWW :

(A) FTP (B) HTML

(C) SMTP (D) HTTP

89. Which of the following is a web browser?

(A) Chrome (B) Opera

(C) Safari (D) All the above

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90. Which option enables to send same letter to multiple persons?

(A) Macros (B) Template
(C) Mail merge (D) None of the above

91. What is the Intersection of a column and a row on a worksheet?

(A) Address (B) Cell
(C) Column (D) Value

92. MS Excel is a _____ application.

(A) Word processing (B) Database
(C) Spread Sheet (D) All the above

93. What is the feature to apply motion effects in between a slide exits and another enters?

(A) Animation objects (B) Animation scheme
(C) Slide design (D) Slide transition

94. A new presentation can be created from:

(A) Blank presentation (B) From existing presentation
(C) From design template (D) All of above

95. Which feature of OOP indicates code reusability?

(A) Abstraction (B) Encapsulation
(C) Inheritance (D) Polymorphism

96. Which access specifier is used for constructors in C++?

(A) Private (B) Public
(C) Protected (D) All the above

97. MDI stands for:

(A) Multiple Document Interface (B) Multiple Design Interface
(C) Manipulated Document Interface (D) Menu Design Interface

98. Which command is used to delete a table from database?

(A) Delete (B) Drop
(C) Erase (D) All the above

99. Which command is used to add a column into database table?

(A) ADD COLUMN (B) ALTER TABLE
(C) INSERT COLUMN (D) All the above

100. What is the correct JavaScript syntax to write "Hello World"?

(A) System.out.println("Hello World") (B) printf("Hello World")
(C) document.write("Hello World") (D) response.write("Hello World")

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