

102/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Opium wars were fought between :
(A) U.S.A – U.K. (B) U.S.A. – China
(C) U.K. – China (D) India – U.K.
2. Coffee production in India is highest in which State :
(A) Karnataka (B) Kerala
(C) Meghalaya (D) Tamil Nadu
3. What is the importance of August 16, 1946 in the history of India?
(A) Cripps mission reached in India
(B) Constituent Assembly was formed
(C) Direct action day
(D) Lord Mount Batten took the charge as Viceroy
4. Social contract is a book written by :
(A) Karl Max (B) Dante
(C) Dadabai Nauroji (D) Rousseau
5. Who appoints attorney General of India?
(A) Prime Minister (B) Chief Justice
(C) Governor (D) President
6. Name the capital city of Republic of Costarica :
(A) Sanjose (B) Ottava
(C) Panama city (D) Havana
7. Name the coin of Republic of Peru :
(A) Doller (B) Nuevo Sol
(C) Shilling (D) Dobra

8. Who led salt Sathyagraha in Tamil Nadu?
(A) K. Kelappan (B) Vallabai Pattel
(C) C. Rajagopalachari (D) R. Venkittaraman
9. Which is Indias First nuclear powered submarine?
(A) INS Shalki (B) INS Chakra
(C) INS Vipul (D) INS Prahar
10. Which part of the body is affected by Osteoporosis?
(A) Skin (B) Nerves
(C) Head (D) Bones
11. Who was the founder of Sadhujana Paripalana Sangam in Kerala?
(A) Ayyankali (B) Sree Narayanaguru
(C) K. Kelappan (D) Pulppu
12. The book Charaka Samhitha is related to :
(A) Astrology (B) Geometry
(C) Medicine (D) Administration
13. First Eco-Tourism project is :
(A) Silent valley (B) Thenmala
(C) Vagaman (D) Peechi
14. Shipkila pass is in which State :
(A) Himachal Pradesh (B) Rajasthan
(C) Meghalaya (D) Jammu and Kashmir
15. Who was the First Vice President of India?
(A) Dr. Sakeer Hussain (B) Dr. Rajendra Prasad
(C) Dr. S. Radhakrishnan (D) V.V. Giri
16. Which chemical is known as salt cake?
(A) Sodium chloride (B) Sodium sulfate
(C) Potassium nitrate (D) Potassium carbonate

17. Who wrote the book "Guru Sagaram"?
- (A) M.T. Vasudhevan Nair (B) M. Mukundan
(C) Kakkanadan (D) O.V. Vijayan
18. The first teak plantation established at :
- (A) Kottayam (B) Wynad
(C) Nilambur (D) Idukki
19. Athirapally waterfall is in which river?
- (A) Chalakkudy river (B) Periyar
(C) Bharathapuzha (D) Manimalayar
20. Who wrote the book 'Love in the time of Chokra'?
- (A) Arundhati Roy (B) Vikram Chandra
(C) Richard Attenborough (D) Gabrel Garcia marques
21. Who was the winner Harivarasanam award of Kerala State 2014?
- (A) Sree kumar (B) Subhash Chandran
(C) P. Jayachandran (D) Sakkariya
22. Small Pox is caused by :
- (A) Variola virus (B) Mumps virus
(C) Dengue virus (D) Ebola
23. Who is called Bengal Tiger in Cricket?
- (A) Mansoor Ali Khan Pattodi (B) Sourav Ganguly
(C) Sachin Tendulkar (D) Kapildev
24. What is known as Brown coal?
- (A) Silver (B) Bronze
(C) Gold (D) Lignite
25. Which Commission studied centre-state relations?
- (A) Sarkariya Commission (B) L.M. Singhvi Commission
(C) Ram Nivas Mirdha Commission (D) Fazl Ali Commission

26. "Swaraj is my birthright I shall have it" who said these words?
(A) Mahathma Gandhi (B) Bala Gangadhara Tilak
(C) Subhash Chandrabhose (D) Bhagavat sing
27. In which country 2015 Brics summit will be held?
(A) Russia (B) China
(C) India (D) South Africa
28. The new principal secretary of Prime Minister :
(A) Mukul Rohatgi (B) P.R. Vasudeva Rao
(C) Nripendra Misra (D) Pulok Chatterji
29. Which river cross the equator two times?
(A) River Amazone (B) River Congo
(C) River Nile (D) River Lim pop
30. Who was the interim President of the Constituent assembly?
(A) Dr. Ambedkar (B) B.N. Rao
(C) K.M. Munshi (D) Dr. Sachehidhananda Sinha
31. Which disease is caused by the deficiency of Vitamin B?
(A) Beri-Beri (B) Rickets
(C) Night Blindness (D) Scurvy
32. Nelson Mandela, who received Noble prize for peace in the year of :
(A) 1994 (B) 1995
(C) 1993 (D) 2001
33. Oral Polio Vaccine is invented by :
(A) Edward Jenner (B) Albert Bruce Sabin
(C) Louis Pasteur (D) John F. Enders
34. What is the chemical name of Chalk?
(A) Potassium nitrate (B) Sodium chloride
(C) Copper sulphate (D) Calcium carbonate

35. Ozone day is celebrating on :
(A) September – 17 (B) August – 16
(C) September – 16 (D) June – 5
36. Sambhar lake is located in which state of India :
(A) Rajasthan (B) Bihar
(C) Gujarath (D) Jammu and Kashmir
37. Kudamkulam, a place situated in which state :
(A) Kerala (B) Maharastra
(C) Tamil Nadu (D) Karnataka
38. Which organization had won the Nobel Prize for peace 2013?
(A) Green peace
(B) Chipko
(C) Lobayan
(D) Organization of prohibition of chemical weapons
39. Validity of an ordinance is :
(A) 6 months (B) 10 months
(C) one year (D) 3 months
40. Volunteer Captain of Guruvayur Temple Satyagraha :
(A) Mannath Padmanabhan (B) A.K. Gopalan
(C) K. Madhavan Nair (D) T.K. Narayanapillai
41. Who was the Viceroy of India during the August offer?
(A) Lord Mount Batton (B) Lord Wavell
(C) Lord Irwin (D) Lord Linlithgow
42. Who is the first woman chairperson of the State Bank of India?
(A) Chanda Kochhar (B) Arundhati Bhattacharya
(C) Shikha Sharma (D) Indra Nooyi
43. Election symbol of Aam Aadmi Party :
(A) Broom (B) Torch
(C) Cup (D) Fan

44. Who is the new railway Minister of India?
(A) Arun Jaitely (B) Harshawardhan
(C) Sadhanadha Gowda (D) Venkayya Naidu
45. Brunei, the nation belongs in which continent :
(A) Europe (B) Africa
(C) South America (D) Asia
46. Which nation is called as 'Rainbow Nation'?
(A) Egypt (B) South Africa
(C) Nepal (D) Brazil
47. Lothal, is a port belongs to which old civilization :
(A) Roman (B) Greece
(C) Harappa (D) China
48. Gandhi Irwin pact was signed in which year :
(A) 1929 (B) 1935
(C) 1927 (D) 1931
49. Monsoon winds are the examples of :
(A) Periodic winds (B) Planetary winds
(C) Local winds (D) Variable winds
50. Jawaharlal Nehru was honoured with the Bharath Ratna in :
(A) 1960 (B) 1956
(C) 1955 (D) 1961
51. Make hay ————— the sunshines.
(A) unless (B) if
(C) while (D) when
52. The young one of Kangaroo :
(A) joey (B) calf
(C) cub (D) lamb

53. Let me introduce myself, _____?
 (A) shall we? (B) shall he?
 (C) shall she? (D) shall I?
54. Choose Imperative sentence :
 (A) Are you a Doctor? (B) How fantastic!
 (C) Sunday is a holiday. (D) Please bring me a piece of chalk.
55. Blood is _____ than water.
 (A) thickest (B) thicker
 (C) thick (D) thicken
56. An uncountable noun :
 (A) friend (B) book
 (C) coffee (D) advice
57. Have you ever _____ by plane?
 (A) travel (B) travels
 (C) had travelled (D) travelled
58. She went to the market _____ foot.
 (A) on (B) by
 (C) with (D) in
59. Which word has correct spelling?
 (A) Boyancy (B) Buyancy
 (C) Buoyancy (D) Bouyancy
60. The past participle form of Bear :
 (A) borne (B) beared
 (C) bored (D) none of these
61. Change into indirect speech : Mother said, "Why are you crying"?
 (A) Mother asked why he is crying (B) Mother asked why is he crying
 (C) Mother asked why were he crying (D) Mother asked why he was crying

62. Biju is married _____ a Japanese.
(A) with (B) to
(C) of (D) by
63. The idiomatic expression that means 'to kick the bucket' :
(A) to die (B) to beat
(C) to hurt (D) to see
64. The plural of 'boot' :
(A) beet (B) boots
(C) beat (D) beeten
65. I cut _____ when I was peeling onion.
(A) herself (B) himself
(C) themselves (D) myself
66. The meeting has been cancelled due to hartal :
(A) call at (B) call by
(C) call off (D) call in
67. The antonym of bachelor is :
(A) bride (B) spinster
(C) bridegroom (D) teenage girl
68. Who painted it? is the active form of :
(A) For whom was it painted? (B) With whom was it painted?
(C) By whom was it painted? (D) From whom was it painted?
69. She has been staying here _____ 2010.
(A) for (B) by
(C) during (D) since
70. I visit my old mother twice in a week :
(A) How do you visit your mother? (B) When do you visit your mother?
(C) How often do you visit your mother? (D) How long do you visit your mother?

71. The standard measure of speed of data transfer of teleprinter services is :
- (A) Bits per second (B) Words per minute
(C) Baud (D) Ampere Hour
72. The teleprinter system in which the send and receive operations take place alternately on the same line is termed as :
- (A) Polar circuit operation (B) Simplex operation
(C) Half-duplex operation (D) Full-duplex operation
73. The transmission rate of telex is nearly about :
- (A) 36 words per minute (B) 66 words per minute
(C) 96 words per minute (D) 126 words per minute
74. The abbreviation EDI stands for :
- (A) Electronic Data Interchange (B) Electronic Data Interface
(C) Electronic Data Integration (D) Electronic Digital Interface
75. The major drawback of telex services is :
- (A) Limited character set
(B) Lack of built-in error correction facilities
(C) Slow transmission speed
(D) All the above
76. The information content in a continuous signal is :
- (A) Zero (B) Two bits
(C) Four bits (D) Infinity
77. The time taken to transmit one A4 size page in telex services is :
- (A) 1 Minute 45 Seconds (B) 2 Minutes 45 Seconds
(C) 3 Minutes 45 Seconds (D) 4 Minutes 30 Seconds
78. The first automatic telephone exchange was :
- (A) Strowger telephone exchange (B) Crossbar telephone exchange
(C) CDOT RAX telephone exchange (D) Alcatel E10B telephone exchange

79. The tele-printer signal "Who are you?" received on calling subscriber's teleprinter is a :
- (A) Proceed - to - select signal (B) Calling signal
 (C) Call connected signal (D) Clearing signal
80. The term PSTN stands for :
- (A) Public Switched Telex Network (B) Public Switched Telecom Network
 (C) Private Switched Telex Network (D) Private Switched Telecom Network
81. The supervisory signal indicates the Free-line condition (the normal condition of a disengaged circuit) in telex service is :
- (A) Positive potential on each transmission path
 (B) Negative potential on each transmission path
 (C) Positive potential on the forward-signalling path
 (D) Negative potential on the forward-signalling path
82. The Crossbar telephone exchanges come under the category of :
- (A) Mechanical switching systems (B) Electromechanical switching systems
 (C) Analog switching systems (D) Digital switching systems
83. The printed indication of service signal "OCC" in telex service represents :
- (A) Spare outlet reached (B) Subscriber's line engaged
 (C) Trunks or equipment engaged (D) None of the above
84. The printed service signal for 'Subscriber's line out of service' condition in telex service is :
- (A) NC (B) NP
 (C) ABS (D) DER
85. Five unit code was used in teleprinter systems. The maximum number of combinations that can be obtained from 5-unit code is :
- (A) 32 (B) 64
 (C) 128 (D) 256
86. Which of the following is not true with respect to 5- unit code used for teleprinter working?
- (A) The number of characters obtainable is sufficient for teleprinter purposes
 (B) The transmission time is different for different characters
 (C) All characters are composed of same number of signal elements
 (D) All the signals consist of combination of two electrical conditions

87. The telephone is invented by :
- (A) Alexander Graham Bell (B) Samuel Morse
(C) Charles Babbage (D) Marconi
88. The term ISDN stands for :
- (A) Integrated Services Data Network
(B) Information Services Digital Network
(C) Integrated Signals for Digital Network
(D) Integrated Services Digital Network
89. The grade of service (GOS) of a telecom network is defined as the ratio of :
- (A) Lost traffic to Offered Traffic (B) Offered traffic to Lost Traffic
(C) Lost traffic to Carried Traffic (D) Carried traffic to Lost Traffic
90. The traffic intensity of telecom networks are measured in the unit of :
- (A) Kilo bits (B) Kilo bits per second
(C) Kilo Hertz (D) Erlangs
91. The Call Completion Rate (CCR) of a telecom switching network is defined as the ratio of number of successful calls to number of call attempts. The networks are usually designed to provide an overall CCR of :
- (A) 0.50 (B) 0.60
(C) 0.70 (D) 0.80
92. The telegraph services in India was opened to public in the year :
- (A) 1850 (B) 1855
(C) 1950 (D) 1955
93. The power conception of a teleprinter motor is :
- (A) 20 W (B) 80 W
(C) 200 W (D) 800 W
94. The maintenance of routine of teleprinter machines is normally carried out after the machines have run for about :
- (A) 100 hours or every week whichever is earlier
(B) 200 hours or every fortnight whichever is earlier
(C) 300 hours or every month whichever is earlier
(D) 400 hours or every six weeks whichever is earlier

95. The teleprinter receivers are designed to allow a certain amount of distortion in the received signals. The degree of distortion that a teleprinter will permit is termed as :
- (A) Teleprinter receiver allowance
 - (B) Teleprinter receiver tolerance
 - (C) Teleprinter receiver distortion
 - (D) Teleprinter margin
96. The frequency range over which an equipment operates or the portion of the spectrum occupied by the signal is referred to as :
- (A) Range
 - (B) Bandwidth
 - (C) Electromagnetic Spectrum
 - (D) None of these
97. The first Indian scientist who demonstrated wireless telegraphy was :
- (A) Jagadis Chandra Bose
 - (B) Sreenivasa Ramanujan
 - (C) C. V. Raman
 - (D) Prasanta Chandra Mahalanobis
98. The unit of electric current is :
- (A) Volt
 - (B) Watt
 - (C) Kilowatt hour
 - (D) Ampere
99. Which among the following electromagnetic radiations has the highest wavelength :
- (A) Gamma Ray
 - (B) X Ray
 - (C) Infra Red Ray
 - (D) Radio Waves
100. The basic principle behind the light transmission through optical fibre is :
- (A) Reflection
 - (B) Refraction
 - (C) Total Internal Reflection
 - (D) Diffraction