Odisha
Police SI

Previous Year Paper
30 Oct 2022 Paper II

General Studies

1) The _____ is an anti-corruption ombudsman organization in the Indian states.

A) High Courts B) Gram Panchayat C) Lokayukta D) RTI Public Information Officer

2) The _____ is an executive government agency tasked with advising the Prime Minister's office on matters of national security and strategic interest.

A) Research and Analysis Wing B) Central Bureau of Investigation
C) National Security Council D) Information Bureau

3) In which court can a PIL case be filed?

A) Only Supreme Court B) only High Courts
C) Special Courts for PIL D) both Supreme Court and High Courts

4) The _____ Act protects anyone who exposes alleged wrongdoing in government bodies, projects and offices.

A) RTI B) Prevention of Corruption
C) Protection of Informers D) Whistle Blowers Protection

5) _____ is an apex Indian governmental body created in 1964 to address governmental corruption.

A) Central Bureau of Investigation (CBI) B) Central Vigilance Commission (CVC)
C) Comptroller and Auditor General of India (CAG) D) Lokayukta

6) The draft of the Indian Penal Code was prepared by the First Law Commission, chaired by _____

A) Dr. B R Ambedkar B) Thomas Babington Macaulay C) Vallabhai Patel D) K. M. Cariappa

7) The _____ of India is an autonomous public body responsible for the protection and promotion of human rights.

A) NHRC B) Parliament C) Civil Society D) Minorities Commission

8) Under which act can the government of India detain a foreigner in a view to regulate his presence or expel from the country?

A) National Security Act B) Immigration Act C) Defence of India Act D) The Government of India Act

9) Under Section 82 of the Indian Penal Code (IPC), anything done by a child under _____ of age will not be an offence.

A) seven years B) twelve years C) fourteen years D) sixteen years

10) Which case is credited as the first PIL case in India that focused on the inhuman conditions of prisons, and led to release more than 40,000 under trial prisoners?

A) Hussainara Khatoon v. State of Bihar B) S.P.Gupta v. Union of India
C) Badhua Mukti Morcha v. Union of India D) Citizen for Democracy v. State of Assam

11) _____ was the name given to India's nuclear programme wherein India detonated a 15-kiloton plutonium device at Pokhran and became a member of the nuclear club.

A) Operation Rising Tiger B) Operation Sunflower C) Operation Smiling Buddha D) Mukti Bahini

12) The Jarawa are one of the Adivasi indigenous peoples of the ____

A) Lakshadweep Islands B) Andaman Islands C) Sri Lanka D) Himalayas

13) Who is the current RBI Governor? (As on 1st Oct, 2022)

A) Raghuram Rajan B) Shaktikanta Das C) Urjit Patel D) Viral Acharya

14) The rate at which the central bank of a county lends money to commercial banks in event of a shortage of funds is called as

A) Repo Rate B) Reverse Repo Rate C) SLR D) CRR

15) ____ gave Parliament unrestrained power to amend any parts of the Constitution, without judicial review.

A) 34th Amendment B) 40th Amendment C) 42nd Amendment D) 46th Amendment

16) Which part of the Constitution of India contains broad directions that work as parameters to check if laws in India are made keeping "welfare-state" objective as focus?

A) Directive Principles B) Fundamental Rights C) Fundamental Duties D) Preamble

17) Who is known as "Indian Father of Green Revolution"?

A) M S Swaminathan B) M. K. Narayanaswami C) H K Firodia D) P N Mehra

18) Which Indian citizen was awarded the Nobel Peace Prize in 2014 "for struggle against the suppression of children and young people and for the right of all children to education"?

A) Malala Yousafzai B) Kailash Satyarthi C) Om Prakash Gurjar D) Kranti Shah

19) Zamindari, Ryotwari or Mahalwari are concepts associated with ___

A) Land revenue collection B) land use C) land distribution D) land ownership hierarchy

20) The Indian Coast Guard operates under ___

A) Indian Army B) Indian Navy C) Indian Air Force D) Ministry of Defence

21) _____ was the first state to first establish the institution of Lokayukta.

A) Odisha B) Karnataka C) Delhi D) Maharashtra

22) _____ is an authority, established by the Constitution under Article 148, who audits all receipts and expenditure of the Government of India.

A) Central Vigilance Commission
B) Central Bureau of Investigation (CBI)
C) Lok Ayukta
D) Comptroller and Auditor General of India (CAG)

23) ____ is the foremost investigative police agency in India.

A) The Central Bureau of Investigation (CBI)
B) Central Vigilance Commission (CVC)
C) Criminal Investigation Department (CID)
D) Research and Analysis Wing (RAW)

24) Which of the following is a fundamental duty of a citizen as mentioned in the Constitution of India?

A) Duty to vote
B) Duty to pay taxes
C) Duty to raise voice against injustice
D) Duty to value and preserve the rich heritage of our composite culture

25) ____ amended the Preamble and changed the description of India from "sovereign democratic republic" to a "sovereign, socialist secular democratic republic".

A) 40th Amendment B) 41st Amendment C) 42nd Amendment D) 45th Amendment

26) Which among these politicians was linked to active participation in the Bhoodan movement?

A) Jayaprakash Narayan B) M G Ramachandran C) Biju Patnaik D) Devi Lal

27) Who is the current Vice Chairperson of the NITI Aayog? (As on 1st Oct, 2022)

A) Suman Bery B) Dr. Rajiv Kumar C) Arvind Panagariya D) Vinod Rai

28) Who i the Chairman of Union Public Service Commission (UPSC)? (As on 1st Oct, 2022)

A) Manoj Soni B) Deepak Gupta C) Rajni Razdan D) Alka Sirohi

29) President's rule can be maximum extended for a period of _____

A) 6 months B) 12 months C) 24 months D) 36 months

30) The _____ provides inputs for policy and planning of direct taxes in India and is also responsible for administration of the direct tax laws through Income Tax Department.

A) Central Board of Direct Taxes
B) Central Board of Excise and Customs
C) Central Boards of Revenue
D) Niti Aayog

31) The largest Vidhan Sabha in terms of number of MLAs is ____

A) Maharashtra B) Karnataka C) Madhya Pradesh D) Uttar Pradesh

32) Panchayati Raj system has a _____ tier structure.

A) three B) four C) five D) three or four

33) Which of the following has been correctly matched?

A) (P) Gram Panchayat - village level (Q) Panchayat Samiti - block level (R) Zila Parishad - district level
B) (P) Gram Panchayat - village level (Q) Panchayat Samiti - district level (R) Zila Parishad - block level
C) (P) Gram Panchayat - village level (Q) Zila Parishad - district level (R) Panchayat Samiti - state level
D) (P) Gram Panchayat - block level (Q) Panchayat Samiti - village level (R) Zila Parishad - district level

34) The members of the Gram Panchayats have tenure of ___ years.

A) six B) five C) four D) three

35) In "The Order of Precedence" of the Republic of India, which lists hierarchy of important positions, the first three ranks are that of the President, the Vice-President and the Prime Minister, in that order. Who comes fourth in the list?

A) Deputy Prime Minister B) Chief Justice of India
C) Governors of states of India (within their respective States) D) Speaker of Lok Sabha

36) How many regional zones are there in India as the Pin Code system?

A) 4 B) 6 C) 8 D) 9

37) Which of the following fall under the ambit of National Food Security Act?

A) Midday Meal Scheme
B) Integrated Child Development Services scheme
C) Public Distribution System

A) A only B) A and B C) A and C D) A, B and C

38) Which of the following about Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) is/are true?

A) MGNREGA is to be implemented mainly by gram panchayats.
B) The involvement of contractors is banned.
C) One third of all employment is reserved for women.

A) A only B) B only C) A and C D) A, B and C

39) What was the duration of the first Lok Sabha of India?

A) 1947-1951 B) 1947-1952 C) 1950-1955 D) 1952-1957

40) According to the Flag Code of India, the length and breadth of the national flag should be in the ratio ___

A) 2 : 1 B) 3 : 2 C) 4 : 3 D) 5 : 3

41) _____ is the highest judicial forum and final court of appeal under the Constitution of India.

A) The President B) The Supreme Court of India C) Lokayukta D) The Parliament

42) The Comptroller and Auditor General Of India is a _____

A) Constitutional Body B) Extra Constitutional Body C) Statutory Body D) Executive Body

43) Which of the following states has a Bicameral form of legislature?

A) Kerala B) Rajasthan C) Tamil Nadu D) Bihar

44) Arrange the following states in the chronological order in which they received statehood, starting from the earliest?

(P) Assam
(Q) Goa
(R) Sikkim
(S) Gujarat

A) PSQR B) PSRQ C) SPRQ D) SPQR

45) Which of the following is a Constitutional body?

A) National Human Rights Commission B) The Central Information Commission
C) National Commission for Women D) National Commission For Scheduled Castes

46) Which section of the Constitution empowers the states to devolve power in the hands of the panchayats to enable the panchayats to function as local self-governments?

A) Article 148 B) Article 243(G) C) Article 249(B) D) Article 270(A)

47) In the context of GST, what does HSN stand for?

A) Harmonized System of Nomenclature B) Harmonized Serial Numbers
C) Hindustan System of Nomenclature D) Hierarchical System of Naming

48) What type of carbon is captured by the world's ocean and costal ecosystems?

A) Graphite B) Fullerenes C) Blue Carbon D) White Carbon

49) Who is regarded as the father of Indian Renaissance?

A) Dayananda Saraswati B) Raja Ram Mohan Roy C) Keshub Chandra Sen D) Gandhiji

50) ''Project Loon' an initiative launched by Google's parent company viz. Alphabet Inc is related to what?

A) Waste management technology B) Wireless communication technology
C) Solar power production technology D) Water conservation technology

51) Who was the first Indian to win the Nobel Prize?

A) CV Raman B) Mother Teresa C) Amartya Sen D) Rabindranath Tagore

52) Which among the following is an active volcano in India?

A) Narcondam B) Barren Island C) Dhinodhar Hills D) Dhosi Hills

53) Election Commission Of India is a ____

A) Constitutional Body B) Extra Constitutional Body C) Statutory Body D) Executive Body

54) At the time of its adoption, the Constitution of India contained ____ Articles and ____ Schedules.

A) 395, 8 B) 395, 12 C) 167, 22 D) 22, 12

55) It is mandatory for a village having a population of ____ to have a Gram Panchayat.

A) 500 B) 1000 C) 2000 D) 5000

56) The Lonar Lake in _____ was created by meteor impact.

A) Andhra Pradesh B) Karnataka C) Maharshtra D) Gujarat

57) _____ are used to authenticate electronic documents.

A) Aadhar Card B) Digital Signature C) e-wallets D) Passport

58) Which of the following is NOT an example of social media tool?

A) YouTube B) Twitter C) LinkedIn D) Google

59) Who was the Prime Minister of India when the New Economic Policy was introduced?

A) P C Narasimha Rao B) Rajiv Gandhi C) Manmohan Singh D) Atal Bihari Vajpayee

60) What is the highest rate of personal income tax in India for FY 2021-22?

A) 25% B) 30% C) 33% D) 40%

61) The Supreme Court of India comprises the Chief Justice and ____ other Judges appointed by the President of India.

A) 18 B) 24 C) 30 D) 35

62) Who is the Prime Minister of Australia (As on 1st Oct, 2022)

A) Anthony Albanese B) Malcolm Turnbull C) Tony Abott D) Scott Morrison

63) Who is the Prime Minister of UK (As on 1st Oct, 2022)

A) Liz Truss B) Rishi Sunak C) Theresa May D) Boris Johnson

64) Who is the Chief Minister of Tamil Nadu (As on 1st Oct, 2022)

A) M K Stalin B) O Paneerselvam C) K. Palaniswami D) Azhagiri

SET C

65) The size and shape of the parliamentary constituencies are determined by an independent _____, which aims to create constituencies which have roughly the same population, subject to geographical considerations and the boundaries of the states and administrative areas.

A) Election Commission
B) Planning Commission
C) Delimitation Commission
D) Census Commissioner

66) Match the cities/towns and the states in which they are located.

States

A. Rajasthan
B. Gujarat
C. Maharashtra
D. Kerala

City

1. Kochin
2. Nagpur
3. Bhuj
4. Ajmer

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

67) Arrange the following states in ascending order of their areas.

A) Mizoram, Kerala, Tamil Nadu, Assam
B) Mizoram, Kerala, Assam, Tamil Nadu
C) Kerala, Mizoram, Tamil Nadu, Assam
D) Tamil Nadu, Assam, Kerala, Mizoram

68) Two statements are given below:
1: The shape of ameoba is fixed.
2: Cell membrane is made up of carbohydrates.
State true or false?

A) Both are true B) Both are false C) Only 1 is true D) Only 2 is true

69) Two statements are given below:
Statement 1: Deficiency of Iron causes Anaemia.
Statement 2: Eukaryotic cell has single chromosome.
State correct or incorrect.

A) Both 1 and 2 are correct B) Both 1 and 2 are incorrect C) Only 1 is correct D) Only 2 is correct

70) Which of the following is true about Electoral Rolls in India?
A) The printed electoral rolls as well as CDs containing these rolls are available for sale to general public.
B) National and State parties are provided these free of cost after every revision of electoral rolls.

A) A only B) B only C) both A and B D) neither A nor B

71) Identify the appropriate pair of lakes and the states in which they are located.

States

A. Odisha
B. Punjab
C. Rajasthan
D. Telengana

Lakes

1. Chilika Lake
2. Ropar Lake
3. Sambhar Salt Lake
4. Hussain Sagar

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

72) Arrange the following cities from North to South.

A) Jaipur, Udaipur, Raipur, Mumbai
B) Udaipur, Jaipur, Raipur, Mumbai
C) Jaipur, Udaipur, Mumbai, Raipur
D) Jaipur, Raipur, Udaipur, Mumbai

73) Who was the first Indian to win Ramon Magsaysay Award (in 1958)?

A) Acharya Vinoba Bhave B) B. R. Ambedkar C) Baba Amte D) Dr. Karmaveer Bhaurao Patil

74) ____ started a weekly paper Mooknayak.

A) Gopal Ganesh Agarkar B) Dr. Keshav Baliram Hedgewar C) Baba Amte D) B. R. Ambedkar

75) ____ founded the Prarthana Samaj.

A) Atmaram Pandurang B) Shahu Chhatrapati Maharaj
C) Gopal Hari Deshmukh D) Gopal Ganesh Agarkar

76) ____ is regarded as the 'Father of the Indian Navy'. He repaired and built many sea forts as well as organised special naval force.

A) Murarbaji Deshpande B) Abulhasan Kutubshah C) Shivaji Maharaj D) Prataprao Gujar

77) Ulna, Radius and Humerus bones are found in which part of adult human body?

A) Upper Limb B) Lower Limb C) Skull D) Spine

78) In human digestive system, bile juice is stored in _____.

A) Gall Bladder B) Stomach C) Liver D) Kidney

79) Who is considered "the father of Zoology"?

A) Aristotle B) Linnaeus C) Theophrastus D) G.J Mendel

80) Benjamin Netanyahu is a politician from _____

A) Israel B) Palestine C) Egypt D) Iran

81) Aung San Suu Kyi is a politician from _____

A) Myanmar B) Bhutan C) Vietnam D) North Korea

82) Hieun Tsang was a philosopher from ____

A) Russia B) China C) Afghanistan D) Sri Lanka

83) Justin Trudeau is the Prime Minister of

A) Ireland B) Canada C) Mexico D) Australia

84) _____ is known as the "sunshine vitamin".

A) Vitamin C B) Vitamin D C) Vitamin E D) Vitamin B

85) Which of the following Microorganism is responsible for causing Dengue fever?

A) Bacteria B) Viruses C) Fungi D) Protozoa

86) DOTs is a treatment given to patients suffering from_____

A) Polio B) AIDS C) Hepatitis D) Tuberculosis

87) What is the approximate period of revolution of Geostationary Satellite?

A) 24 Hours B) 1 Hour C) 6 Hours D) 12 Hours

88) Which of the following are the two most common gases in the atmosphere?

A) Nitrogen and Oxygen B) Carbon Dioxide and Fluorine
C) Oxygen and Xenon D) Nitrogen and Fluorine

89) The location of Battle of Haldighat falls in which state of India?

A) Gujarat B) Madhya Pradesh C) Rajasthan D) Haryana

90) Which colonial power discovered the direct Sea Route to India from Europe?

A) Portuguese B) Germans C) British D) French

91) In which year did Gandhiji lead the Dandi March?

A) 1919 B) 1930 C) 1927 D) 1942

92) What is known as cultivation or rearing of aquatic plants and animals?

A) Aquaculture B) Aviculture C) Apiculture D) Sericulture

93) In the Indian context, the Yellow Revolution is associated with .....

A) Jute Production B) Cotton Production C) Oilseeds Production D) Leather Production

94) Which one of the following is not correct regarding the black soils of Peninsular India?

A) Fertile and well-suited for growing cotton B) Highly Retentive in Moisture
C) Rich in Iron, Lime and Potash D) Rich in Phosphorus and Organic Matter

95) Which soil is known as Regur Soil?

A) Black Soil B) Arid Soil C) Alluvial Soil D) Laterite Soil

96) The Battle of Tarain [1191AD] was fought between Muhammad Ghori and....

A) Rana sanga B) Rana Pratap C) Rana Hammirdeva D) Prithviraj Chauhan

97) Who was named as ''Zinda Pir'' or ''Living Saint'' in Mughal India?

A) Humayun B) Samrat Akbar C) Aurangzeb D) Jahangir

98) The First woman President of Indian National Congress?

A) Sarojini Naidu B) Pratibha Devisingh Patil C) Annie Besant D) Rajkumari Amrit Kaur

99) Green garbage bin is used for collecting which of the following item?

(1) Kitchen Waste
(2) Plant Waste
(3) Dry waste material

A) Only (1) B) Only (3) C) Both (1) and (2) D) All (1), (2) and (3)

100) The Indian Home Rule Movement in September, 1916 was launched by.....

A) Bal Gangadhar Tilak B) Lala Lajpat Rai C) Mahatma Gandhi D) Pt. Jawaharlal Nehru

F O R W A R D
G M S U B P E

Mental Ability

101) If LIBRARY is written as MGCPBPZ and MESSAGE is written as NCTQBEF, then FORWARD should be written as ___

A) MGCQBEF B) GMSUBPE C) NCTPBPZ D) GMSPBPZ

102) If 8 X 78 = 172, 79 X 9 = 176 and 8 X 84 = 184, then 7 X 82 = _____.

A) 574 B) 178 C) 89 D) 96

103) If IS = 4595, N I C E = 70451525, then K N O W = ___?

A) 55775115 B) 557075115 C) 11141523 D) 2565

104) Find the missing part of the series: 3, __, 15, 42, 123, 366

A) 6 B) 8 C) 9 D) 11

105) Find the missing part of the series: A, B, E, D, __, G, O, __, U, L.

A) F, P B) I, J C) I, S D) J, K

106) Find the missing part of the series: 7, 19, __, 61, 91

A) 40 B) 37 C) 39 D) 38

107) From the options, choose the pair of words which best expresses the relationship similar to that expressed in the capitalised pair. COMPARE: LIKEN

A) Hyperbole: Overstatement B) Overwrite: Scribble C) Prescription: Medicine D) Primal: Lateral

108) From the options, choose the pair of words which best expresses the relationship similar to that expressed in the capitalised pair. DROUGHT: FAMINE

A) Poverty: Plenty B) Drip: Fluid C) Camera: Film D) Criticism: Resentment

109) From the options, choose the pair of words which best expresses the relationship similar to that expressed in the capitalised pair. DOUBT: DISPEL

A) Fear: overcome B) Clouds: clear C) Blood: kill D) Curtain: push

110) Select the odd one out.

A) voyage B) expedition C) odyssey D) locomotive

111) Find the odd one out

A) Exiguous B) Meager C) Paltry D) Exorbitant

112) Find the odd one out

A) Reticent B) Loquacious C) Taciturn D) Introverted

113) A, B and C are sisters. D is the brother of E and E is the daughter of B. How is A related to D?

(A) Sister (B) Niece (C) Mother (D) None of these

114) E is the son of A. D is the son of B. E is married to C. C is B's daughter. How is D related to E?

(A) Brother (B) Uncle (C) Father-in-law (D) Brother-in-law

115) Pointing towards a girl in the picture, S said, "She is the mother of N whose father is my son." How is S related to the girl in the picture?

(A) Mother-in-law (B) Aunt (C) Cousin (D) Data inadequate

116) In a queue, there are 7 people ahead of Ajay and 12 people behind Ganesh. Between Ajay and Ganesh are 3 people, with Ajay being Ahead of Ganesh. How many people are there in the queue?

A) 22 B) 23 C) 24 D) 25

117) A barber takes same time to cut hair of his customers. It takes him for every adult male 10 minutes for a hair-cut, for a female it takes 15 minutes and for a child it takes 5 minutes. Arpan, a man aged 30 years, enters the saloon at 5.30 p.m., and there are 2 children, 1 lady and 1 man waiting for a hair-cut, while another man is half-way through his haircut. At what time does Arpan leave the saloon after a haircut, assuming it takes 5 minutes, for the barber to prepare his next customer for a haircut?

A) 6. 10 p.m. B) 6. 25 p.m. C) 6. 35 p.m. D) 6. 45 p.m.

118) If A = 1, B = 2, ... M = 13; and N = 13, O = 12, ... Z = 1, then which of the following options is correct?

A) {M + A + D + E} = {C + A + T}
B) {M + A + D + E} < {C + A + T}
C) {W + H + A + T} = {M + A + D + E}
D) {M + A + D + E} > {C + A + T}

119) If F + L + Y = 43 , B + U + G = 30, then J + A + C + K = __?

A) 25 B) 41 C) 40 D) 42

120) If SF=13, DT=-16, then AB=

A) -1 B) 1 C) 0 D) 2

121) How many times is a prime number immediately followed by an even number in the series of numbers below?

4, 6, 2, 4, 2, 3, 7, 9, 2, 11, 8, 3, 5, 6, 2, 5, 2.

A) 2 B) 3 C) 4 D) 5

122) **Find which mathematical operation is indicated by @, #, $ and % in following equation: 36 @ 1 % 9 $ 3 # 1 = 38**

A) $ means ÷ , @ means X, # means −, % means +
B) $ means ÷ , @ means −, # means +, % means X
C) $ means X , @ means ÷, # means −, % means +
D) $ means X, @ means +, # means ÷, % means −

123) **If @ is '+' and % is '−', then which of the following options is the second smallest?**

A) 1 @ 78 % 92 @ 43 % 54
B) 37 @ 24 % 35 @ 41 % 95
C) 27 @ 41 % 63 @ 38 % 59
D) 15 @ 82 % 93 @ 61 % 84

124) **8 + {2 − |8 + 5| + 2 − 3} − 6 + 4 = ____**

A) − 8 B) − 3 C) − 6 D) − 2

125) **Most of the Crocodiles are Snails. Every Grape is a Pomegranate. All Snails are Grapes. Which of the following is definitely correct?**

A) Some Crocodiles are Grapes.
B) All Pomegranates are Snails.
C) All Pomegranates are Crocodiles.
D) All Grapes are Crocodiles.

126) **All Rats are Dates. Some of the Dates are Pomegranates. Most of the Bears are Rats. Then which of the following is definitely correct?**

A) Some Pomegranates are Rats.
B) All Dates are Bears.
C) Some Dates are Bears.
D) Some Pomegranates are Bears.

127) **If** $X = a + \frac{1}{a}$, **then find** $X + \frac{1}{X}$

A) $\frac{a}{1+a}$ B) $\frac{a^4+3a^2+1}{a^3+a}$ C) $\frac{a}{1+a^2}$ D) None of these

128) **If** $x + \frac{1}{x} = 3$, **then find** $x^4 + \frac{1}{x^4}$

A) 47 B) 49 C) 81 D) None of these

129) **How many rectangles with integral sides and with an area 224 m2 are possible?**

A) 10 B) 12 C) 6 D) 8

130) **Four bells begin tolling at the same time and continue to toll at intervals of 20, 25, 28 and 50 seconds respectively. Find the smallest integral number of minutes after which all the bells toll together again.**

A) 700 B) 70 C) 1400 D) 35

131) **An army has got 378 swords and 675 spears, which are kept in boxes such that there is equal number of weapons in each box. It should be noted that each box contains either swords or spears. What is the least possible number of boxes the army requires?**

A) 28 B) 39 C) 49 D) 52

132) **Which of the following options is the largest?**

A) 82/38 + 5/22 + 46/8
B) 91/34 + 60/55 + 99/20
C) 84/56 + 74/11 + 40/59
D) 69/8 + 14/35 + 32/77

133) **Some Cows are Turtles. Some Turtles are Limes. All Limes are Plums. Which of the following is definitely correct?**

A) Some Plums are Cows. B) Some Plums are Turtles. C) Some Limes are Cows. D) No Plum is Cow.

134) **10% × 20% × 250 = ____**

A) 2.5 B) 5 C) 10 D) 50

135) **25% of 80 − 20/25 + 2.5 = ____**

A) 22.7 B) 21.1 C) 22.5 D) 21.7

136) What comes next in the series? 2, 3, 4, 6, 8, 9, 16, 12, 32, ___

A) 15 B) 18 C) 64 D) 36

137) Reduce the following to lowest terms: $\frac{x^2 - a^2}{x^2 + ax}$

A) $\frac{x+a}{x}$ B) $\frac{x-a}{x+a}$ C) $\frac{x-a}{x}$ D) $\frac{x+a}{x-a}$

138) Which of the following options is the largest?

A) 63.95 + 61.01 - 44.85 + 44.08 – 24
B) 85.8 + 70.07 - 52.82 + 16.83 - 19.24
C) 13.89 + 83.01 - 10.88 + 22.39 - 4.75
D) 38.77 + 63.39 - 4.12 + 39.04 - 30.54

139) What is 5/20 + 1.5 - 5/40 = ?

A) 2.35 B) 1.625 C) 1.55 D) 2.975

140) If x, y and z are numbers between 1 and 10, then 4x + 6y + 9z + 2 is

A) odd B) even C) even if x is even D) odd if z is odd

141) If the 7th and 13th terms of an arithmetic progression are 34 and 64 respectively, then find 50th term of that series.

A) 250 B) 249 C) 235 D) 234

142) Find the sum of 18 + 19 + 20 + 21+ ..... + 91

A) 4033 B) 4300 C) 4582 D) 3967

143) A toy plane flies along the four sides of a square at speeds of 100, 200, 300, 400 km/hr on each side respectively. Find its average speed.

A) 250 km/hr B) 190 km/hr C) 192 km/hr D) 200 km/hr

144) Ramesh mixed 8 kg of sugar costing Rs. 9/kg and 4kg of sugar costing Rs. 12/kg. Find the price per kg of the mixture.

A) Rs. 9.50 B) Rs. 10.50 C) Rs. 11 D) Rs. 10

145) If a train travels 36 km per hour, then how many meters will it travel in 3 minutes?

A) 1800 B) 1500 C) 1.8 D) 180

146) If a man travels at the speed of 30 km/hr, then he reaches his destination late by 10 minutes and if he travels at the speed of 42 km/hr then he reaches 10 minutes earlier. Find the distance travelled by him.

A) 36 km B) 35 km C) 40 km D) None of these

147) Find the time taken by a train 100 m long running at a speed of 36 km/hr to cross another train of length 200 m running at a speed of 27 km/hr in the same direction.

A) 140 sec B) 120 sec C) 20 sec D) 100/3 sec

148) Find the square root of the surd $7 + \sqrt{48}$.

A) $3+\sqrt{6}$ B) $2+\sqrt{6}$ C) $2+\sqrt{3}$ D) $4+\sqrt{3}$

149) What can you say about the Mean, Mode and Median of the following numbers?
2, 4, 7, 2, 1, 8, 9, 6.7, 5, 2, 1.6, 15, 10

A) Median > Mean B) Mode > Median C) Mean > Median > Mode D) Median = Mode

150) What is the square root of 123454321?

A) 12345 B) 1231 C) 12321 D) 11111

151) What is the cube root of 1728?

A) 12 B) 16 C) 18 D) 22

152) With what number should you multiply 117 to make it a perfect square.

A) 11 B) 9 C) 3 D) 13

153) If the average of 6, 4, 7, P and 10 is 8, find P.

A) 12 B) 11 C) 12.50 D) 13

154) Find the value of $6+\sqrt{6+\sqrt{6+\sqrt{6+\ldots}}}$

A) 12 B) $9\sqrt{6}$ C) 7.5 D) 9

155) Arrange in ascending order: 94, 316, 278, 817

A) 94, 316, 278, 817 B) 316, 278, 817, 94 C) 316, 94, 278, 817 D) None of these

156) A man sells two tables at the same price. On one he makes a profit of 10% and on the other he suffers a loss of 10%. Find the loss or gain percentage on the whole transaction.

A) 1 % B) 0.1 % C) 0 % D) Indeterminate

157) Rs. 525 is divided between A, B and C such that A gets double of what B get and B gets double of C. How much more does A get than C?

A) Rs. 300 B) Rs. 150 C) Rs. 75 D) Rs. 225

158) If 'm' men can do a piece of work in '2r' days, then the number of days taken by '(m + n)' to do the same piece of work is

A) $\frac{m+n}{mr}$ B) $\frac{(m+n)m}{2r}$ C) $\frac{(m+n)}{2rm}$ D) $\frac{2rm}{m+n}$

159) If 7 maids supervise 7 robots each and clean 7 floors in 7 hours, how long would it take 3 maids to clean 3 floors with 3 robots each?

A) 3 hrs B) $\frac{49}{3}$ hrs C) 7 hrs D) hrs

160) Anand finishes a work in 7 days, Bittu in 8 days, and Chandu in 6 days. If they take turns to finish the work, working- Anand on first day, Bittu on the second day, Chandu on the third, and then again Anand and so on – on which day will the work get finished?

A) 3rd B) 6th C) 9th D) 7th

161) A man sells a pen at a profit of 20 %. Had he bought it at 20% less and sold it for Rs. 5 less, he would have gained 25%. What is the cost price of the pen?

A) Rs. 25 B) Rs. 30 C) Rs. 40 D) Rs. 20

162) A man loses 10% by selling a book for Rs. 144. What should be the selling price to gain 15 %?

A) Rs. 149 B) Rs. 184 C) Rs. 186 D) Rs. 190

163) Marks of 5 students are in the ratio 7 : 8 : 9 : 10 : 11, and their average is 90. How many of the students scored more than 75?

A) 2 B) 3 C) 4 D) 5

164) The salaries of A and B are in the ratio 7 : 4 and the sum of their salaries is 121000. Find the difference in their salaries.

A) Rs. 33000 B) Rs. 77000 C) Rs. 44000 D) Rs. 32000

165) A vessel has 500 ml of pure milk. From these vessels 50 ml of the milk is removed and 50 ml of water poured into the vessel. If this operation is repeated 2 more times, what is the percentage of milk in the vessel at the end?

A) 24.30% B) 81% C) 72.9% D) 75%

166) There are 50 boys in a class whose average age is 12 years. There are 40 boys in another class whose average age is 15 years. What is the average age of both the classes taken together?

A) 12 years B) 13 years 8 months C) 13 years 4 months D) 12 years 8 months

167) What is the arithmetic mean of the first 'n' natural numbers?

A) $\frac{n(n+1)}{2}$ B) $\frac{n(n-1)}{2}$ C) $\frac{n+1}{2}$ D) $\frac{n-1}{2}$

168) Find the interest under simple interest for a principal of Rs. 300 at an interest of 3.75% per annum from March 5, 2022 to July 29, 2022.

A) Rs. 28.125 B) Rs. 4.5 C) Rs. 11.25 D) Rs. 4.25

169) What principal would yield a simple interest of Rs. 25, invested at 5% for 3 months?

A) Rs. 3125 B) Rs. 2000 C) Rs. 5000 D) Rs. 1500

170) X runs $1\frac{1}{2}$ times as fast as Y. In a race, if X gives a lead of 50 m to Y, find the distance from the starting point at which both of them will meet.

A) 100 m B) 150 m C) 175 m D) 140 m

171) In a 1000 m race, Ram beats Shyam by 50 m and in the same race, Shyam beats Karan by 50 m. By what distance does Ram beat Karan?

A) 97.5 m B) 50 m C) 95 m D) 92.5 m

172) If the difference between simple interest and compound interest on a certain sum for 2 years at 10% is Rs. 50, then find the sum.

A) Rs. 5050 B) Rs. 4700 C) Rs. 5000 D) Rs. 3750

173) The bell of a clock rings twice when the minute hand crosses 12 and once when the minute hand crosses 3, 6 or 9. How many times does the bell ring in a day between 12:55 PM and 08:50 PM.

A) 40 B) 41 C) 43 D) 39

174) The angle between the hour hand and minute hand of a clock at time 9:00 is_____ degrees.

A) 85 B) 92.5 C) 90 D) 120

175) If 13 January 1990 is Saturday, what day is 11 January 1991?

A) Friday B) Saturday C) Sunday D) Monday

176) In a 500 m race, the ratio of speeds of two runners P & Q is 4 : 5. If P has a start of 100 m, then what is the distance between P and Q at the finish of the race?

A) 100 m B) Both finish the race at the same time
C) 50 m D) 25

177) Everybody in a room shakes hands with everybody else. The total number of handshakes is 66. Then the total number of persons in the room is

A) 11 B) 12 C) 13 D) 14

178) Find the sum of all 4-digit numbers that can be formed using 0, 1, 2 and 3 with no digit being repeated in any number.

A) 38,664 B) 42,684 C) 39,746 D) None of these.

179) There are four different routes connecting two different places A and B in a city. The number of ways in which a round trip A to B can be made so that the route from B to A is different from the route from A to B is :

A) 12 B) 16 C) 8 D) None of these.

SET C

Basic Computer Literacy

180) In Microsoft Excel, to add the contents of the cells A1, A2, A3, A4 and A5, the best command is

A) =Add(A1:A5) B) =Total(A1:A5) C) =Sum(A1:A5) D) =Count(A1:A5)

181) In Microsoft Excel, purpose of pivot table is to ___

A) quickly summarize large amounts of data B) filter a range of data based on criteria you define
C) to sort data in an array D) to permanently delete the duplicate data

182) In Microsoft PowerPoint, Sound, Duration and On Mouse Click functions come under ____ menu.

A) Design B) Transitions C) Slideshow D) Review

183) Which of the following is not a view type in Microsoft PowerPoint?

A) Slide Master B) Handout Master C) Notes Master D) Print Master

184) Clipboard, Image, Tools and Brushes are menu options under ____

A) Microsoft Word B) Microsoft PowerPoint C) Microsoft Excel D) Microsoft Paint

185) In Microsoft Word, you will find Read Mode, Print Layout and Web Layout under the ____ menu.

A) Design B) Layout C) Review D) View

186) In Microsoft Word, you will find Watermark, Page Colour and Page Borders under the ____ menu.

A) Design B) Layout C) Review D) View

187) In Microsoft Word, what shortcut command can be used to save a file?

A) Control N B) Control S C) Control SF D) Control F

188) In Microsoft Excel, cell A1 contains the word Hello and cell B1 contains the word World. If you merge these two cells, what output will you get?

A) Hello B) HelloWorld C) Hello World D) World

189) JPEG stands for _____

A) Joint Photographic Experts Group B) Joint Photographic Experts Graphics
C) Joining Photographic Experts Group D) Joint Pictures Experts Group

190) Which of the following is not a file name extension of an audio file?

A) .cdr B) .mp3 C) .midi D) .wma

191) Which of the following is NOT example of an Input Unit component?

A) Monitor B) Optical Character Reader (OCR) C) Mouse D) Touch-screen

192) Which of the following is NOT an operating system?
(1) UNIX (2) Linux (3) Windows (4) MS Office

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

193) What does the command 'ping' do?

A) verifies that a computer can communicate over the network with another computer or network device.
B) prints data to a printer on the network
C) enables a user to run his program on another network
D) transfer system files to a disk drive

194) A _____ is a computer network that interconnects computers within a limited area such as a residence, school, laboratory, university campus, or office building.

A) LAN B) WAN C) MAN D) VAN

195) With respect to databases, what is the full form of SQL?

A) Systematic Query Language B) Symbolic Querying Language
C) Sequential Query Language D) Structured Query Language

SET C

196) Wha does the MS-DOS command chkdsk do?

A) performs an analysis of the disk and then repairs any errors it finds
B) formats the disk
C) lists all the contents of the disk
D) copy the contents of one disk and copy to another disk

197) A _____ is a set of rules that governs the communications between computers on a network.

A) Operating System B) Protocol C) DOS D) BIOS

198) _____ is referred as a program that is put in someone's computer to secretly gather information about the user and spread it.

A) Spyware B) Dropbox C) Worm D) Payload

199) ASCII stands for

A) American Standard Code for Information Interchange B) Association Standard Code for Internet Information
C) American Software Code for Information Iteration D) American Standard Code for Information Internet

200) In computer science, artificial intelligence, and mathematical optimization, ____ is a technique designed for solving a problem more quickly when classic methods are too slow, or for finding an approximate solution when classic methods fail to find any exact solution.

A) shortcode B) heuristic C) mnemonics D) cornerstone

