



# Teachingninja.in



**Latest Govt Job updates**



**Private Job updates**



**Free Mock tests available**

**Visit - [teachingninja.in](http://teachingninja.in)**

# OSSC CPSE

## Previous Year Paper

### (General Studies)

### Paper-II 30 Oct, 2022



**ODISHA POLICE RECRUITMENT BOARD**  
**(CPSE - 2019)**

**A**

**Subject** : Paper-II (General Studies)

**Duration of Exam** : 180 minutes

**No. of Questions** : 200

**Roll Number of Candidate**

--	--	--	--	--	--	--	--	--

**READ THE INSTRUCTIONS CAREFULLY BEFORE WRITING ANYTHING ON THIS BOOKLET:**

1. Please follow "Instructions to Candidates" already uploaded on the candidate portal.
2. **Please strictly follow the instructions given by the Invigilators and those given on the Question Booklet.**
3. Before commencing to write anything on this Booklet ensure that the Booklet has 200 (Two hundred) multiple choice questions (MCQs), there is no misprint, overprinting and / or any other deficiency either in the Question Booklet or in the OMR Answer Sheet. If there is any deficiency, report the same to the invigilator forthwith and get the Booklet changed. Only on being fully satisfied, fill your details on the OMR Answer Sheet. Once the Roll No. has been written on the OMR Answer Sheet, it will normally not be replaced.
4. There are **15** pages in this Question Booklet, out of which page number **1** is "**General Instructions**" and page number **15** is **rough sheet**.
5. Candidate should mark his/her answer only on the OMR Answer Sheet, which is being provided separately.
6. Please use **blue/black** ball point pen ONLY for filling up the details & for marking your answers on the OMR Sheet.
7. Mark your answers with utmost care. You are not allowed to change the answer, once marked, by adopting any method (including correction fluid).
8. Mark only one answer for each question. If more than one answer is given by you for any question, that answer will be treated as wrong.
9. **One Mark (1)** will be awarded for each correct answer. There will be **negative marking of 0.25** in the test for every wrong answer. No marks will be awarded or deducted for un-answered question.
10. Rough work may be done in the blank space in the Question Booklet. No other paper will be provided. Please note that it will be your responsibility to carefully handover your OMR Answer Sheet, Admit Card and copy of identity proof to the invigilator at the end of the examination. If your OMR Answer Sheet is found missing, you will be disqualified.

**DO NOT OPEN THE BOOKLET UNTIL ASKED TO DO SO**

# **General Studies**

**Q.01) Which of the following exercised the most profound influence in framing the Indian Constitution?**

- A) British Constitution
- B) The Government of India Act, 1935
- C) US Constitution
- D) Irish Constitution

**Q.02) What is the literal meaning of the term "Quo-Warranto"?**

- A) By what authority (or) warrant
- B) We command
- C) To forbid
- D) None of these

**Q.03) The Indian Councils Act of 1909 is also known as**

- A) The Morley-Minto Reforms
- B) The Rowlett Act
- C) The Montagu Declaration
- D) The Montagu-Chelmsford Reforms

**Q.04) Which is the biggest building at Mohenjodaro?**

- A) Great bath
- B) Assembly Hall
- C) Rectangular Building
- D) Great Granary

**Q.05) The word 'Satyamev Jayate' have been derived from which Upanishad?**

- A) Akshi Upanishad
- B) Mundaka Upanishad
- C) Garuda Upanishad
- D) Mahavakya Upanishad

**Q.06) The smallest time taken by the particle to complete one vibration is called the \_\_\_\_\_.**

- A) Force
- B) Boundary
- C) Motion
- D) Time period

**Q.07) Which armed force has launched an Online platform, Retired officers Digital Records Archive (RO-DRA) for a better connection with armed forces veterans and family pensioners?**

- A) Indian Army
- B) Indian Navy
- C) Indian Air Force
- D) All of these

**Q.08) Angada and Chandraketu were the sons of .....**

- A) Rama
- B) Bharata
- C) Kalki
- D) Lakshmana

**Q.09) The first historian who propounded theory of 'jagirdari crisis' responsible for decline of Mughal Empire was-**

- A) Satish Chandra
- B) J.F. Richards
- C) Irfan Habib
- D) W.H. Moreland

**Q.10) Who adorned Ram Mohan Roy with title of 'Raja'?**

- A) Aurangzeb
- B) Robert Clive
- C) Mahatma Gandhi
- D) Mughal Emperor Akbar II

**Q.11) Who advises the Government of India on legal matters?**

- A) Chairman, Law Commission
- B) None of these
- C) Attorney General
- D) Chief Justice of Supreme Court

**Q.12) Who coined the term 'Hindu rate of growth' for Indian economy?**

- A) A. K. Sen
- B) Montek Singh Ahluwalia
- C) Raj Krishna
- D) Kirit S. Parikh

**Q.13) World Book and Copyright Day is an annual event organized by the United Nations Educational, Scientific and Cultural Organization (UNESCO), on .....**

- A) 27-Apr
- B) 25-Apr
- C) 24-Apr
- D) 23-Apr

**Q.14) Which Indian state produce the highest soyabean?**

- A) Madhya Pradesh
- B) Tamil Nadu
- C) Rajasthan
- D) Maharashtra

**Q.15) Which one of the following Section of Criminal Procedure Code, 1973 is related to juveniles jurisdiction?**

- A) Section 26
- B) Section 28
- C) Section 27
- D) Section 25

**Q.16) Under which One of the following Sections of the Indian Penal Code, 1860, an assault or criminal force used in attempting to commit theft of property is punishable?**

A) Section 379      B) Section 356      C) Section 381      D) Section 384

**Q.17) Disclosure of the identity of a victim of rape is punishable under which section of I-P.C.?**

A) Section 228      B) Section 376 A      C) Section 376B      D) Section 228 A

**Q.18) International Delegate's Day marks the anniversary of the first day of the .....**

A) Cyprus Conference      B) New Delhi Conference  
C) Dubai Conference      D) San Francisco Conference

**Q.19) English Language day is observed, annually, on .....**

A) 26-Apr      B) 23-Apr      C) 25-Apr      D) 24-Apr

**Q.20) Green Revolution indicates:**

A) The increase in the production of fish      B) The increase in the production of milk  
C) The increase in the production of meat.      D) The increase in the production of grains

**Q.21) Where is the headquarters of SWIFT (Society for Worldwide Interbank Financial Telecommunications) located?**

A) Durban, South Africa      B) La Hulpe, Belgium  
C) Vienna, Austria      D) Montreal, Canada

**Q.22) Who is the first woman Governor of a state in Independent India?**

A) Padmaja Naidu      B) Vijayalakshmi Pandit  
C) Mrs Sarojini Naidu      D) Raj Kumari Amrit Kaur

**Q.23) The Committee appointed in 1977 to review working of the Panchayati Raj was chaired by**

A) Balwant Rai Mehta      B) K. N. Katju      C) Jagjivan Ram      D) Ashok Mehta

**Q.24) Who wrote the Book titled "Planned Economy of India"?**

A) Sir Purshotamdas Thakurdas      B) Sir Mokshagundam Visvesvaraya  
C) M.N. Roy      D) Dr. Manmohan Singh

**Q.25) What is meant by R&D?**

A) Role and Development      B) Reduce and Development  
C) Research and Deployment      D) Research and Development

**Q.26) Which bank released "Global Economic Prospects (June 2020)"?**

A) Swiss      B) SBI      C) World Bank      D) HDFC

**Q.27) What was the basis for constituting the Constituent Assembly of India**

A) The Resolution of the Indian National Congress      B) The Cabinet Mission Plan, 1946  
C) The Indian Independence Act, 1947      D) The resolutions of the provincial/State  
Legislatures of the Dominion of India

**Q.28) At which among the following places, Gautama Buddha preached his last sermon?**

A) Sarnath      B) Rajgir      C) Pavapuri      D) Vaishali

**Q.29) The term element was first used by .....**

A) Watson      B) Robert Boyle      C) Newton      D) Maxwell

**Q.30) A collision in which only momentum remains conserved but kinetic energy of the system does not remain conserved, is called an .....**

A) Elastic collision      B) Inelastic compound      C) Inelastic unbound      D) Inelastic collision

**Q.31) How many regional zones are there in India as the Pin Code system?**

A) 4      B) 6      C) 8      D) 9

**Q.32) 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

**Q.33) 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

**Q.34) What was the duration of the first Lok Sabha of India?**

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

**Q.35) 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

**Q.36) 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

**Q.37) The largest Vidhan Sabha in terms of number of MLAs is \_\_\_\_**

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

**Q.38) Panchayati Raj system has a \_\_\_\_ tier structure.**

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

**Q.39) 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

**Q.40) The members of the Gram Panchayats have tenure of \_\_\_\_ years**

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

**Q.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

**Q.42) The Comptroller and Auditor General Of India is a \_\_\_\_**

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

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

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

**Q.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

**Q.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

**Q.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)

**Q.47) Election Commission Of India is a \_\_\_\_**

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

**Q.48) 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

**Q.49) If the Panchayat is dissolved, within what period will the elections be held?**

A) 3 months      B) 6 months      C) 1 month      D) 1 year

**Q.50) The Lonar Lake in \_\_\_\_ was created by meteor impact.**

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

**Q.51) \_\_\_\_ are used to authenticate electronic documents.**

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

**Q.52) Which of the following is NOT an example of social media tool?**

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

**Q.53) Who was the Prime Minister of India when the New Economic Policy was introduced?**

A) P V Narasimha Rao    B) Rajiv Gandhi    C) Man Mohan Singh    D) Atal Bihari Vajpayee

**Q.54) What is the highest rate of personal income tax in India for FY 2021-22?**

A) 25%    B) 30%    C) 33%    D) 40%

**Q.55) 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

**Q.56) What type of carbon is captured by the world's ocean and costal ecosystems?**

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

**Q.57) Who is regarded as the father of Indian Renaissance?**

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

**Q.58) '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

**Q.59) Who was the first Indian to win the Nobel Prize?**

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

**Q.60) Which among the following is an active volcano in India?**

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

**Q.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

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

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

**Q.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

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

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





**Q.93) The First Battle of Tarain was fought between Muhammad Ghori and....**

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

**Q.94) Who was named as "Zinda Pir" or "Living Saint" in Mughal India?**

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

**Q.95) The location of Battle of Haldighati falls in which state of India?**

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

**Q.96) Which colonial power discovered the direct Sea Route to India from Europe?**

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

**Q.97) In which year did Gandhiji lead the Dandi March?**

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

**Q.98) The First woman President of Indian National Congress?**

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

**Q.99) 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

**Q. 100) 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)

## **Mental Ability**

**Q.101) In a mixture of milk & water in ratio 4:1. Some water is added to make the quantity of milk and water equal. Find the quantity of water added in percentage in the final mixture?**

A)40%      B) 36.5%      C) 37%      D)37.5%

**Q.102) A cane contains 40 liters of milk. 4 liters of milk is taken out and replaced by water. This process is carried out twice further. How much milk is now contained by the cane?**

A)29.16 ltr.      B) 23.37 ltr.      C)21.19 ltr.      D) 19.36 ltr.

**Q.103) Solve the problem related to the letter word:- Which of the following words will come second in the English dictionary?**

A)Magical      B) Magnify      C) Maternal      D) Magnetic

**Q.104) Solve the problem related to the letter word:- If the letters of the word POWERFUL are rearranged in ascending order as they appear in English alphabet, the position of how many letters will remain unchanged after the rearrangement?**

A) 2      B) 3      C) 4      D) 1

**Q.105) Choose the Analogy (choose the similar word):- Assam: Bihu:: Kerala : ?**

A) Kathakali      B) Kathak      C) Kuchipudi      D) Bharatnatyam

**Q.106) Choose the Analogy (choose the similar word):-Thunder: Rain? : Night**

A) Day      B) Dusk      C) Darkness      D) Evening

**Q.107) Choose the Analogy (choose the similar word):- Imprison: Jail: Exile?**

A) Country      B) Depart      C) Banish      D) Punishment

**Q.108) The average age of the staff members in an organization is 40 years. If eight new members with an average age of 45 years joined and six employees with an average age of 35 years left the organization, the average age of the organization would increase by 5 years. Find the number of staff members in the company.**

A) 10      B) 12      C) 15      D) None of these

**Q.109) The average of 10 numbers is 90. By mistake, one of the numbers while finding the average was taken as 65 instead of 75. Find the corrected average.**

A) 89      B) 90      C) 91      D) 90.5

**Q.110) The average age of 'x' students in a class is 20 years. If the age of class teacher, who is 60 years old is also included, the average age increases by 2 years. Find 'x'.**

A) 15      B) 18      C) 19      D) 24

**Q.111) Pointing out to a photograph, a man tells his friend, " she is the daughter of the only son of my father's wife. How is the girl related to the man in the photograph?**

A) Daughter      B) Cousin      C) Mother      D) Sister

**Q.112) A man said to lady, —Your mother's husband's sister is my aunt." How is the lady related to the man?**

A) Daughter      B) Grand daughter      C) Mother      D) Sister

**Q.113) P is the brother of Q and R. S is the R's mother. T is P's father. Which of the following statements cannot be definitely true?**

A) T is Q's father      B) S is P's mother      C) T is S's husband      D) S is T's son

**Q.114) If the seventh day of a month is three days before Friday, then which day will be the 19th day of the month?**

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

**Q.115) How many times do the minute and the hour hand of the clock overlap between 8 am and 8 pm on the same day?**

A) 11      B) 22      C) 24      D) 12

**Q.116) One man can do as much work in one day as a woman can do in 2 days. A child does one third the work in a day as a woman. If an estate-owner hires 39 pairs of hands, men, women and children in the ratio 6 : 5 : 2 and pays them in all Rs 1113 at the end of the day's work. What must be the daily wage of a child, if the wages are proportional to the amount of work done?**

A) Rs 14      B) Rs 5      C) Rs 20      D) Rs 7

**Q.117) Three filling pipes, X, Y and Z opened together can fill a tank in 4 hours. After 1 hour, pipe Z is closed, and the tank is filled in 6 more hours. Find the time, in which Z alone can fill the tank**

A) 3 hours      B) 6 hours      C) 8 hours      D) 9 hours

**Q.118) Four men or eight women can complete a work in 48 days. In how many days can 3 men working along with 6 women can complete the same work?**

A) 24 days      B) 32 days      C) 36 days      D) 28 days

**Q.119) Do the Coding - Decoding of the following: - If SPIDER is written as PSDIRE in a certain code, how could COMMON be written in that code?**

A) OCOMMO      B) OCMMNO      C) OCMOMN      D) OCMMON

**Q.120) If DIRECTION is coded as RIDTCENOI, then PRINCIPAL will be coded as -**

A) IRPICNLAP      B) RIPICNALP      C) PIRCNPLA      D) ICNRIPALP

**Q.121) Do the Coding - Decoding of the following:- In a coding system, PEN is written as NZO and BARK as CTSL. How can we write PRANK in that coding system?**

A) CSTZN      B) NSTOL      C) NTSLO      D) NZTOL

**Q.122) When 0.00454545..... is converted into a fraction in form of  $\frac{p}{q}$ , where p and q are co-prime, then  $(p + q)$  is:**

A) 221      B) 353      C) 735      D) None of these

**Q.123) Find the divisor, if the dividend is 15968, quotient is 179 and the remainder is 37.**

A) 69      B) 79      C) 89      D) None of these

**Q.124) What is the smallest number which when increased by 5 is completely divisible by 8, 11 and 24?**

A) 264      B) 259      C) 269      D) None of these

**Q.125) LCM of first 35 natural numbers is 'x'. What is the value of k, if the LCM of first 40 natural numbers is k times x.**

A) 40      B) 128      C) 37      D) None of these

**Q.126) Arrange words in logical sequence:- Arrange the given set of words in a meaningful sequence and the choose the most appropriate sequence from the alternatives provided.** 1. Travel   2. Destination   3. Payment   4. Birth/Seat   5. Reservation   6. Availability of Berth/Seat

A) 125436      B) 263541      C) 534162      D) 625431

**Q.127) Arrange words in logical sequence: - Arrange the given set of words in a meaningful sequence and the choose the most appropriate sequence from the alternatives provided.**  
1. College 2. Child 3. Salary 4. School 5. Employment

A) 12435      B) 24153      C) 41352      D) 53214

**Q.128) Solve problems using substitution (mathematical operations):- If '×' means '÷', '–' means '×' and '÷' means '+', and '+' means '–', then which of the following gives the result of the following expression:  $(4-14 \div 24) \times 10+9$  ?**

A) 1      B) -1      C) 0      D) 2

**Q.129) Select the odd word from the given alternatives.**

A) Wall clock      B) Painting      C) Photo frame      D) Carpet

**Q.130) Solve problems using substitution (mathematical operations):- It is given that: '>>' denotes '+', '<' denotes '–', '÷' denotes '×', '–' denotes '=', '≤' denotes less than' and 'x' denotes 'greater than', find which of the following is correct statement?**

A)  $3 + 2 > 4 = 9 + 3 < 1$       B)  $3 > 2 > 4 = 18 + 3 < 2$   
C)  $3 > 2 < 4 \times 8 + 4 < 2$       D)  $3 + 2 < 4 \times 9 + 3 < 1$

**Q.131) Select the odd number from the given alternatives.**

A) 31      B) 37      C) 43      D) 49

**Q.132) If every second Saturday and all Sundays are holidays in a 30 days month beginning on Saturday, then how many working days are there in that month?**

A) 20      B) 21      C) 22      D) 23

**Q.133) How many ways are here to arrange the letters in the word GARDEN with the vowels in alphabetical order?**

A) 340      B) 360      C) 320      D) 380

**Q.134) A train running with speed of 60 km/hr crosses a post in 9 seconds. What is length of train?**

A) 115 metres      B) 162 metres      C) 150 metres      D) 178 metres

**Q.135) In a 1 km race, Tiya beats Kiya by 28 meters or 7sec. Find Tiya's time over the course?**

A) 2 min 1 sec      B) 4 min 3 sec      C) 3 min 2 sec      D) 1 min 4 sec

**Q.136) In a game of 200m race, A can win B by 50 m and B can win C by 8 m. In the same race, A can win C by:**

A) 60 m      B) 56 m      C) 52 m      D) 48 m

**Q.137) The ratio of 1 hour to 300 seconds is:**

A) 60:1      B) 3600:1      C) 1:30      D) 12:1

**Q.138) The first, second and fourth terms of a proportion are 16, 24 and 54 respectively. Then the third term is:**

A) 24      B) 40      C) 32      D) 36

**Q.139) The value of A, if 3, 18, A, 42 are in proportion is:**

A) 8      B) 7      C) 9      D) 6

**Q.140) Which one of the following pair is co -prime?**

A) (253, 161)      B) (221, 143)      C) (165, 221)      D) None of these

**Q.141) Complete the series. BEH, KNQ, TWZ?**

A) BDF      B) ADG      C) IJL      D) CFI

**Q.142.) Complete the series. 2, 3, 5, 7, 11, (....), 17**

A) 13      b) 12      C) 15      D) 14

**Q.143) Complete the series. 462, 420, 380, (...), 306**

A) 352      B) 342      C) 332      D) 322

**Q.144) M loaned Rs.5000 to N for two years and Rs.3000 to L for four years on straightforward premium at a similar pace of interest and gotten Rs.2200 in all from the two of them as interest. The pace of interest per annum is**

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

**Q.145) Tina bought a Hair Drier for 4000 on credit. The rate of interest for the first year is 5% and of second year is 15%. How much will it cost him if he pays the amount after two years?**

A) 4830      B) 4759      C) 4621      D) 4380

**Q.146) The median and the mode of a symmetric distribution are 7 and 13 respectively. Find the mean.**

A) 7      B) 5      C) 4      D) 3

**Q.147) If the mean of the seven terms 23, 13, 17, x, x, 21 and 14 is 14, then their median is:**

A) 17      B) 13      C) 14      D) 11

**Q.148) How many two-digit numbers satisfy this property: The last digit (unit's digit) of the square of the two-digit number is 8?**

A) 1      B) 2      C) 3      D) None of these

**Q.149) What is the cube root of 2197?**

A) 12      B) 13      C) 14      D) 15

**Q.150) Given, A =  $\sqrt{9} + \sqrt{6}$  and B =  $\sqrt{10} + \sqrt{5}$ , then**

A) A = B      B) A < B      C) A > B      D) Can't say

**Q.151) 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

**Q.152) 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.

**Q.153) 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.

**Q.154) 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

**Q.155) 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

**Q.156) 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

**Q.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

**Q.158) If LIBRARY is written as MGCPBPZ and MESSAGE is written as NCTQBEF, then FORWARD should be written as \_\_\_\_**

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

**Q.159) If  $8 \times 78 = 172$ ,  $79 \times 9 = 176$  and  $8 \times 84 = 184$ , then  $7 \times 82 =$  \_\_\_\_.**

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

**Q.160) Find the missing part of the series: 3, \_\_, 15, 42, 123, 366**

A) 6      B) 8      C) 9      D) 11

**Q.161) Which of the following options is the largest?**

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

**Q.162) What is  $5/20 + 1.5 - 5/40 =$ ?**

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

**Q.163) Which of the following options is the largest?**

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

**Q.164) 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)  $\frac{x+a}{x-a}$

**Q.165) 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

**Q.166) If  $x + \frac{1}{x} = 3$ , then find  $x^4 + \frac{1}{x^4}$**

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

**Q.167) 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

**Q.168) 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

**Q.169) 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.

**Q.170) 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) 0.10%      C) 0%      D) Indeterminate

**Q.171) 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

**Q.172) 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

**Q.173) 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

**Q.174) 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

**Q.175) 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

**Q.176) Select the odd letters from the given alternatives.**

A) Sea      B) Ocean      C) Lake      D) Marsh

## Basic Computer Literacy

**Q.177) A device or system not directly connected to the CPU is .....**

A) Offline      B) Memory      C) Keyboard      D) Online

**Q.178) What is the other name for programmed chip?**

A) RAM      B) ROM      C) LSIC      D) PROM

**Q.179) Viruses enter the computer when computer starts in .....**

A) salami shaving      B) macro      C) file infector      D) boot sector

**Q.180) When a logic bomb is activated by a time related event, it is known as a**

A) time-related bomb sequence      B) virus      C) time bomb      D) trojan horse

**Q.181) Which of these is an Internet protocol?**

A) MAC      B) Ethernet      C) ARCnet      D) TCP

**Q.182) A stable or non-volatile memory is known as \_\_\_\_\_**

A) DAC      B) RAM      C) ICAD      D) ROM

**Q.183) Param-10000 supercomputer was fabricated by \_\_\_\_\_**

A) Iis      B) C-DAC      C) IBM      D) BARC

**Q.184) E-learning and smart-board presentations are showing integration of ICT in .....**

A) Library      B) Office      C) Classroom      D) None of these

**Q.185) In MS excel \_\_\_\_ are numbered from 1 to onwards and \_\_\_\_ are numbered from A to onwards.**

A) Columns, rows      B) Rows, slides      C) Slides, rows      D) Rows, columns

**Q.186) Which of the following is not a term pertaining to spreadsheets?**

A) Formula      B) Cell      C) Browser      D) Character

**Q.187) How many rows are there in old version of MS Excel 97-2003?**

A) 65536      B) 65535      C) 65534      D) 65533

**Q.188) In power point, Themes could be found under -**

A) Transition Tab      B) Design Tab      C) Insert Tab      D) Animation Tab

**Q.189) A presentation is saved with an extension:-**

A) .ppc/      B) .ppb/      C) .ppt/      D) .ppm/

**Q.190) What is the Default Background color in MS Paint?**

A) White      B) Blue      C) Aqua      D) Yellow

**Q.191) Which of the following is not a file name extension of an audio file?**

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

**Q.192) In MS word, to cut the selected text, these keys should be pressed**

A) Ctrl +C      B) Ctrl +D      C) Ctrl +V      D) Ctrl +X

**Q.193) "Internet escrow" is a term most related to which one of the following?**

A) E-commerce      B) Software Development      C) Internet Security      D) None of these.

**Q.194) \_\_\_\_ is an extremely fast computer that can perform hundreds of millions of instructions per second**

A) Supercomputer      B) Mainframe computer      C) Minicomputer      D) Workstation

**Q.195) The offer of after sales services to customers over the internet is a ..... activity.**

A) C2C      B) B2C      C) spam      D) hacking

**Q.196) In Microsoft Word, you will find Watermark, Page Colour and Page Borders under the \_\_\_\_ menu.**

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

**Q.197) 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

**Q.198) A \_\_\_\_\_ is a set of rules that governs the communications between computers on a network.**

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

**Q.199) 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

**Q.200) Which server protects web servers from attack and can provide performance and reliability benefits?**

A) Closed Proxy      B) Open Proxy      C) Reverse Proxy      D) Both 1 and 2

## **Rough Sheet**

