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Sl. No. 03079

Roll No. : 002999

**Time : 2 Hours (120 Minutes)****Maximum Marks : 150****: Instructions to the Candidate :**

1. DO NOT OPEN THE BOOKLET SEAL UNLESS AND UNTIL THE EXAMINATION TIME STARTS.
2. This booklet contains 24 pages including 2 nos. of blank pages for rough work.
3. Separate OMR Answer Sheet will be supplied in the examination hall.
4. In case of any discrepancy in the question booklet, please request the invigilator for the replacement of a fresh question booklet.
5. Candidate will not be given a second blank OMR Answer Sheet under any circumstances.
6. Answer all questions. No clarification can be sought on the question paper.
7. This test paper is for 150 marks containing 150 multiple choice questions.
8. There will be negative marking of 0.5 marks for every wrong answer or where the candidate has marked more than one response.
9. The candidate should write the Question Booklet Number in the space provided in the OMR Answer Sheet.
10. The candidate should write the Question Booklet Number and OMR Answer Sheet Number and Sign in the space provided in the attendance sheet.
11. The candidate shall not write anything on the OMR Answer Sheet other than the details required and the spaces provided for.
12. Use Black/Blue ball point pen only for writing the Roll No. and the details on the OMR Answer Sheet.
13. Use Black/Blue ball point pen for shading the circles. Indicate only one most appropriate answer by shading from the options provided. The answer circle should be shaded completely without leaving any space.
14. Possession of electronic devices in any form is strictly prohibited in the examination hall.
15. The use of any unfair means by the candidate shall result in the cancellation of his/her examination.
16. Impersonation is an offense and the candidate, apart from disqualification will be liable to be prosecuted.
17. Handle the OMR Answer Sheet with care, don't fold or tear.
18. Ensure that the invigilator puts his/her signature in the space provided on the OMR Answer Sheet.
19. Candidate should sign in the space provided in the OMR Answer Sheet.
20. Return the OMR Answer Sheet positively to the invigilator after examination, before leaving the examination hall.

Candidate's full signature



**Section - I**  
**(General English)**

**Direction (Q. Nos. 1 to 5) :** In each of the following find the best suited opposite or nearly opposite word.

1. 'EXCITED'  
 (A) Hyper  
 (C) Tantalized  
 (B) Thrilled  
 ✓(D) Tranquil
2. 'CANDID'  
 ✓(A) Blunt  
 (C) Upfront  
 (B) Frank  
 (D) Guarded
3. 'TIRED'  
 (A) Fatigued  
 (C) Sluggish  
 (B) Beaten  
 ✓(D) Vitalized
4. 'ABOLISH'  
 ✓(A) Setup  
 (C) Annul  
 (B) Abrogate  
 (D) Delete
5. 'ELOQUENCE'  
 (A) Expression  
 ✓(C) Halting  
 (B) Fluency  
 (D) Rhetoric

**Direction (Q. Nos. 6 to 10) :** Fill in the blanks with the most appropriate option.

6. Be pure \_\_\_\_\_ heart.  
 (A) of  
 ✓(C) in  
 (B) on  
 (D) with
7. The Chairman is ill and we will have to \_\_\_\_\_ the meeting for a week.  
 (A) put on  
 ✓(C) put off  
 (B) put up  
 (D) put down
8. It took the child a long time to recover \_\_\_\_\_ the shock.  
 (A) over  
 (C) under  
 (B) about  
 ✓(D) from
9. When he died, Ramanujan \_\_\_\_\_ behind three notebooks.  
 ✓(A) left  
 (C) was leaving  
 (B) leaves  
 (D) had left want



10. He was \_\_\_\_\_ a mile of hotel when he ran out of petrol.
- (A) within (B) inside  
(C) only (D) hardly

**Direction (Q. Nos. 11 and 12) :** In the following some parts have been jumbled up. You are required to rearrange these parts, which are labelled P, Q, R and S to make the correct sentence.

11. In life, some rules are (P) /, as business (Q) /, they seem almost instinctive (R) /, learnt so early that (S) :
- (A) RSPQ (B) QPSR  
(C) RPSQ (D) QSPR
12. The concept of death, that it has reduced (P) /, as an inevitability (Q) /, is so ancient (R) /, to a cliché (S) :
- (A) SPRQ (B) QRPS  
(C) SRPQ (D) QPRS

**Direction (Q. Nos. 13 to 15) :** Choose the most appropriate synonym to the given words.

13. Foment
- (A) Vex (B) Waste  
(C) Renounce (D) Instigate
14. Solicitous
- (A) Obscene (B) Wise  
(C) Wholesome (D) Confident
15. Falter
- (A) Wobble (B) Animate  
(C) Bounce (D) Active

**Direction (Q. Nos. 16 to 20) :** Read the following passage carefully and answer the questions that follow.

Political independence came to Ceylon in a totally different manner than it did to Burma. In the case of Ceylon there was no Japanese occupation, no revolutionary fervent and no sudden break with the past. The colony did not even experience the sort of liberation struggle the Indian National Congress organised. There was no civil disobedience and no imprisonment of national leaders.

As there was no struggle in Ceylon, neither was there the usual concomitant of a struggle, the hardening of national solidarity through national sacrifice. Ceylon emerged from colonial



rule through a process of peaceful negotiations, but this was not an altogether unmixed blessing. An essential element in the explanation of the unique way in which Ceylon achieved Political Independence is the fact that the process of Westernisation had gone further there than in other colonial territories. To start with, Ceylon had experienced nearly four hundred and fifty years of colonial rule, first under the Portuguese, then the Dutch, and finally the British. From schools founded and run by Christian missions and in the British era more and more modelled on British lines, even to the extent in some cases of emulating English public schools- there emerged a thoroughly Anglicised upper class with generally conservative political leanings. These Ceylonese were so much like their colonial masters in outlook, manners, and social habits that they were often called "brown sahibs".

16. The Political Independence of the Ceylonese people can be related to that of :

- (A) India (B) Burma  
(C) Britain (D) None of these

17. How was the Ceylonese struggle for freedom nurtured ?

- (A) Revolutionary fervent (B) Non-cooperation  
(C) Civil disobedience (D) Peaceful negotiations

18. The word 'Emulating' nearly means :

- (A) Promulgating (B) Imitating  
(C) Accepting (D) Hiding

19. What forms an essential element behind the unusual way of Ceylon achieving its political independence ?

- (A) They struggled hard.  
(B) They were called "Brown sahibs".  
(C) The process of Westernisation was more.  
(D) There was no Japanese occupation.

20. Antonym of word 'Concomitant' is :

- (A) Related (B) Connected  
(C) Consequent (D) Unrelated

**Direction (Q. Nos. 21 to 24) :** Which of the following phrases given below should replace the phrase printed in bold to make the sentence grammatically correct. If you think that the sentence is correct as it is, choose the option, "No correction required" from the options as your answer.

21. Of late, both India and China have been seeing a slowdown in the credit market.

- (A) Off late (B) Of lately  
(C) Of recently (D) No correction required



22. No other communities have played a greater role in building an "India of Tomorrow" than the teaching community.

- (A) No communities  
(B) Many communities has  
(C) No other community has  
(D) No correction required

23. Theoretically, positive operating cash flow is considered a indicator of efficiency.

- (A) considering indicators  
(B) considered a indicators  
(C) considered an indicator  
(D) No correction required

24. I have realised over times that there is a larger meaning to things happening around us.

- (A) time over  
(B) upon time  
(C) over the times  
(D) No correction required

**Direction (Q. Nos. 25 to 28) :** In below questions two words will be given and these two words will have some kind of a relationship which relates them in a particular way. After finding this relationship, pick the correct option which has words related in a similar way.

25. LYING : PERJURY

- (A) Statement : Testimony  
(B) Seeing : Observing  
(C) Taking : Stealing  
(D) Eating : Dining

26. LOUD : STENTORIAN

- (A) Mild : Noisy  
(B) Adjective : Descriptive  
(C) Painful : Prickly  
(D) Bright : Resplendent

27. MISANTHROPE : HUMANITY

- (A) Chauvinist : Patriot  
(B) Agnostic : God  
(C) Misogynist : Woment  
(D) Witch : Magic

28. BEWILDERMENT : CONFUSION

- (A) Fantod : Nervousness  
(B) Bursa : Sack  
(C) Bewitched : Alliteration  
(D) Coracle : Lodestar

**Direction (Q. Nos. 29 to 30) :** Read the below sentences carefully and choose the right kind of clause.

29. They told us why they are doing that.

- (A) Noun Clause  
(B) Adjective Clause  
(C) Declarative Clause  
(D) Wh-Clause

30. They left early.

- (A) Noun Clause  
(B) Adjective Clause  
(C) Declarative Clause  
(D) Wh-Clause



**Direction (Q. Nos. 31 to 35) :** In each of the following sentences, a proverb is highlighted. Select the alternative which best describe its use in the sentence.

31. In the last budget, the government **brought forward** a new scheme of taxation.

- (A) Prioritized  
(B) Displayed  
(C) Notified  
(D) Introduced

32. The sales of the company are increasing **by leaps and bounds**.

- (A) As proposed  
(B) In calculated ways  
(C) Very slowly  
(D) Quickly

33. The police made considerable **headway** in sorting of the papers.

- (A) Progress  
(B) Movement  
(C) Action  
(D) Measurement

34. The kind old woman received the stranger **with open arms**.

- (A) With her arms free  
(B) With warmth  
(C) With restraint  
(D) With gratitude

35. My friend ran off **helter-skelter** down the slope.

- (A) Unknowingly  
(B) With minimum speed  
(C) Purposefully  
(D) Hurriedly and in confusion

36. Find the mis-spelt word :

- (A) Mendacious  
(B) Obnoxious  
(C) Pernicious  
(D) Ferocious

37. Find the mis-spelt word :

- (A) Temperature  
(B) Temperament  
(C) Tempastuous  
(D) Temptation

38. Find the word with correct spelling :

- (A) Accommodiate  
(B) Accomodate  
(C) Acommodate  
(D) Accommodate

39. Find the word with correct spelling :

- (A) Collaegue  
(B) Colleague  
(C) Collegue  
(D) Coleague

40. Find the word with correct spelling :

- (A) Entrepreneur  
(B) Enterpreneur X  
(C) Entrepeneur  
(D) Entreprenur X



**Section – II**  
**(General Knowledge)**

41. 'Moonlighting', which was seen in the news, is related to which field ?  
✓(A) Space science (B) Employment  
(C) Psychology (D) Finance
42. Which company was awarded the 'Bengaluru-Mysuru expressway' project ?  
(A) Dilip Buildcon (B) Larsen and Toubro  
(C) Shapoorji Pallonji Group (D) GMR Group
43. Which is the new location of the Uttarakhand High Court, as of 2022 ?  
(A) Dehradun (B) Nainital  
(C) Haldwani (D) Mussoorie
44. Which Union Ministry awards the National Corporate Social Responsibility (CSR) Awards ?  
(A) Ministry of Finance  
(B) Ministry of Corporate Affairs  
(C) Ministry of Home Affairs  
(D) Ministry of Social Justice and Empowerment
45. Panchayati Raj Diwas in Odisha is celebrated on :  
(A) 25<sup>th</sup> February (B) 8<sup>th</sup> April  
(C) 10<sup>th</sup> June (D) 5<sup>th</sup> March
46. Road Transport and Highway Ministry announced to scrap all government vehicles older than how many years ?  
(A) 10 (B) 20  
(C) 25 (D) 15
47. Who is known as the father of Odia nationalism ?  
(A) Gopabandhu Das ✓(B) Madhusudan Das  
(C) Gopinath Mohanty (D) Fakir Mohan Senapati



48. Butter is a :
- ✓(A) Fat dispersed in milk (B) Fat dispersed in water  
(C) Water dispersed in fat (D) None of these
49. 20 Degree Celsius is \_\_\_\_\_ Degree Fahrenheit.
- (A) 62 (B) 68 <sup>20</sup>  
(C) 72 (D) 58
50. Which among the following is the First Odia Daily Newspaper ?
- (A) Samaj (B) Nua Odisha  
✓(C) Utkala Deepika (D) Utkala Patra
51. - Which International Adjudication Forum recently issued arrest warrant against Vladimir Putin over Ukraine war crimes ?
- (A) European Court of Justice  
(B) International Court of Justice  
(C) International Criminal Court  
(D) Permanent Court of International Justice
52. Which Portuguese introduced the Blue Water Policy in India ?
- (A) Vasco Da Gama (B) Nino-Da-Cunha  
(C) Alfonso D'Albuquerque (D) Francisco de Almeida
53. The first successful Nuclear Bomb test conducted by India in 1974, is called the :
- (A) Prithvi ✓(B) Pokhran – II  
(C) Surya (D) Smiling Buddha
54. Which Article of the Indian Constitution empowers the High Courts to issue directions for the enforcement of Fundamental Rights ?
- (A) Article – 136 (B) Article – 227  
(C) Article – 226 (D) Article – 133
55. Which is the largest district of Odisha by area ?
- (A) Kendujhar (B) Koraput  
(C) Ganjam ✓(D) Mayurbhanj



56. Which Article of the Indian Constitution lays down that the State shall endeavor to secure for the citizens a uniform civil code throughout the territory of India ?
- (A) Article – 39 (B) Article – 52  
(C) Article – 44 (D) Article – 46
57. Which song from the movie RRR won Best Original Song at the Oscars 2023 ?
- (A) Dosti (B) Naatu Naatu  
(C) Janani (D) Komuram Bheemudo
58. Ozempic, which was seen in the news, is used to treat which disease ?
- (A) Diabetes (B) COVID  
(C) Chronic Heart Disease (D) Hypertension
59. The Reserve Bank of India (RBI) recently signed MoU with which Country's Central Bank to promote innovation in financial products ?
- (A) France (B) Sri Lanka  
(C) UAE (D) USA
60. Caracas is the capital city of which country ?
- (A) Iran (B) Venezuela  
(C) Argentina (D) Moldova
61. In which state in India Oriya language is the second official language ?
- (A) Chhattisgarh (B) Gujarat  
(C) Jharkhand (D) West Bengal
62. Which was the first talkie feature film of India ?
- (A) Raja Harishchandra (B) Alam Ara  
(C) Duniya na Mane (D) Aadami
63. When too much money is chasing too few goods, the situation is :
- (A) Deflation (B) Inflation  
(C) Recession (D) Stagflation



64. Which state's Governor returned the Prohibition of Online Gambling Bill passed by the state cabinet ?
- (A) Kerala (B) Tamil Nadu  
(C) West Bengal (D) Punjab
65. Which Ministry implements the 'Pradhan Mantri Bhartiya Janaushadhi Pariyojana' ?
- (A) Ministry of Chemicals and Fertilisers  
(B) Ministry of Health and Family Welfare  
(C) Ministry of Rural Development  
(D) Ministry of Housing and Urban Affairs
66. Who was the founder of Yoga Philosophy ?
- (A) Jaimini (B) Kapila  
(C) Akshapada (D) Patanjali
67. The ancient University of Odisha "Puspagiri" was located in which district of Odisha ?
- (A) Bhadrak (B) Jajpur  
(C) Khurdha (D) Cuttack
68. Which among the following is negated with the help of Insurance ?
- (A) Liability (B) Needs  
(C) Risk (D) Ownership
69. When was Odisha made into a separate province by Britishers ?
- (A) 12th March, 1948 (B) 1st April, 1948  
(C) 1st April, 1936 (D) 12th March, 1901
70. Which district has lowest population in Odisha according to Census 2011 ?
- (A) Nuapada (B) Boudh  
(C) Deogarh (D) Subarnapur
71. Washing soda is the common name for :
- (A) Sodium carbonate (B) Calcium bicarbonate  
(C) Sodium bicarbonate (D) Calcium carbonate
72. The power to decide an election petition is vested in the :
- (A) Parliament (B) Supreme Court  
(C) High Courts (D) Election Commission



73. Made from a variety of materials, such as carbon, what inhibits the flow of current ?  
 (A) Choke (B) Inductor  
 (C) Resistor (D) Capacitor
74. Which Schedule of the Constitution of India incorporates provisions regarding Anti-defection ?  
 (A) 5<sup>th</sup> Schedule (B) 8<sup>th</sup> Schedule  
 (C) 10<sup>th</sup> Schedule (D) 6<sup>th</sup> Schedule
75. Who is known as 'Indian Bismarck' ?  
 (A) Mahatma Gandhi (B) Sardar Vallabhbhai Patel  
 (C) Lal Bahadur Shastri (D) Indira Gandhi
76. What was the strength of the Bench of Supreme Court of India, which declared 'Triple talaq' to be unconstitutional ?  
 (A) 3 (B) 5  
 (C) 7 (D) 9
77. The unit of which quantity is taken from Ohm's law ?  
 (A) Electric current (B) Resistance  
 (C) Potential difference (D) Electric capacitance
78. Bimbisara was the founder of which one of the following dynasties ?  
 (A) Nanda (B) Haryanka  
 (C) Maurya (D) Shunga
79. Which poet is known as 'Kabi Samrat' ?  
 (A) Raddhanath Ray (B) Baladev Ratha  
 (C) Upendra Bhanja (D) Gopabandhu Das
80. What is the new name of the 'Raj Path', the iconic avenue in New Delhi ?  
 (A) Atmanirbhar Path (B) Kartavya Path  
 (C) Vikas Path (D) Jan Path



Section - III  
(Logical Reasoning)

81. If Monday falls on 1st of October, which day will fall three days after that 20th in that Month ?

- ✓ (A) Monday (B) Tuesday  
(C) Saturday (D) Wednesday

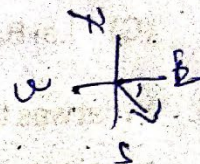
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Jan - 26

82. X was born on March 6, 1993. The same year Independence day was celebrated on Friday. Find out the birthday of X :

- (A) Thursday (B) Saturday  
(C) Friday (D) Wednesday

83. If South-East becomes North, North-East becomes West and so on, what will West become ?

- (A) East (B) North-West  
✓ (C) North (D) South-East



84. If BAD is written as YZW and SAME as HZNV, then LOVE will be coded as :

- (A) ROWN (B) OJUC ✓  
✓ (C) OLEV (D) NOPL

**Direction (Q. Nos. 85 to 87) :** Read the following information and answer the questions.

Eight friends Akash, Bunty, Chandan, Deepak, Esha, Fiza, Gazal and Hema are sitting around a circle facing the centre. Deepak is between Akash and Esha only, Fiza is second to the left of Esha. Bunty is between Chandan and Gazal only. Fiza is between Gazal and Hema only.

85. Who is the fourth to the right of Bunty ?

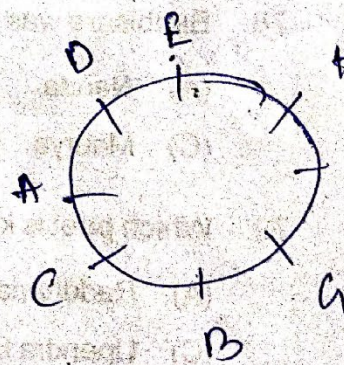
- ✓ (A) Esha (B) Hema  
(C) Gazal (D) Deepak

86. Who is sitting in the immediate left of Esha ?

- (A) Fiza (B) Hema ✓  
(C) Gazal (D) Deepak

87. Who is third to the right of Gazal ?

- ✓ (A) Fiza (B) Akash  
(C) Hema (D) Esha





88. In a certain code LAPTOP is written as 14, 3, 18, 22, 17, 18 and CIRCLE is written as 5, 11, 20, 5, 14, 7. How is RECTANGLE written in the same code ?

- (A) 20, 5, 3, 20, 1, 14, 9, 14, 7      ✓ (B) 20, 7, 5, 22, 3, 16, 9, 14, 7  
(C) 20, 7, 3, 22, 1, 16, 7, 14, 7      (D) 20, 7, 5, 20, 3, 14, 7, 14, 7

89. Inoculation : ? :: Exposure : Vulnerability.

- (A) Immunity      ✓ (B) Punctuality  
(C) Discipline      (D) Contagious

90. Three ladies X, Y, Z marry three men A, B, C. X is married to A, Y is not married to a doctor, C is not a doctor and A is a lawyer. Then which of the following statement is correct ?

- ✓ (A) Y is married to C who is an engineer ✓  
(B) Z is married to C who is a doctor  
(C) X is married to a doctor  
(D) None of these

X — A (L)  
Y — C  
Z — B

91. If TUNE is coded as UUOE, LORD is coded as MOSD, how is FLAME written in this code ?

- (A) GMANE      (B) FLBMF  
(C) GMANF      (D) None of these ✓

FLA

92. A watch which gains 5 seconds in 3 minutes was set right at 7:00 a.m. In the afternoon of the same day, when the watch indicated quarter past 4 o'clock, the true time is :

- (A) 3 p.m.      (B) 4 p.m.      4.15  
(C) 5 p.m.      (D) 6 p.m.

93. Arrange the given words in the sequence in which they occur in the dictionary and then choose the correct sequence :

(1) Eagle (2) Earth (3) Eager (4) Early (5) Each

- ✓ (A) (5), (1), (2), (4), (3) —  
(B) (2), (1), (4), (3), (5)  
(C) (2), (3), (5), (4), (1)  
✓ (D) (5), (3), (1), (4), (2) —



**Direction (Q. Nos. 94 to 98) :** A good way to figure out the relationship in a given question is to make up a sentence that describes the relationship between the first two words. Then, try to use the same sentence to find out which of the answer choices completes the same relationship with the third word.

94. Marathon is to race as hibernation is to :

- (A) Glimpse (B) Think  
(C) Dream (D) Sleep

95. Yard is to inch as quart is to :

- (A) Water (B) Ounce  
(C) Milk (D) Oil

96. If oceans are deserts, then waves are :


- (A) Sand dunes (B) Ripples  
(C) Ridges (D) Hurricanes

97. Elated is to despondent as enlightened is to :

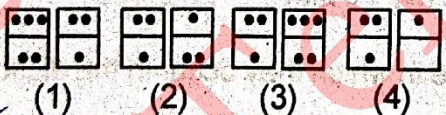
- (A) Miserable (B) Tolerant  
(C) Aware (D) Ignorant

98. Optimist is to cheerful as pessimist is to :

- (A) Petty (B) Mean  
(C) Helpful (D) Gloomy

99. 

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

100. If  $P\%Q$  means P is the father of Q ;  $P!Q$  means P is the sister of Q and  $P * Q$  means Q is the daughter of P, which of the following shows that I is the sister of K's husband ?

- (A)  $I \% G ! H * K$  (B)  $I ! G \% H * K$   
(C)  $I ! G * H \% K$  (D)  $I \% G * H ! K$



**Direction (Q. Nos. 101 to 105) :** Study the following information and answer the given questions).

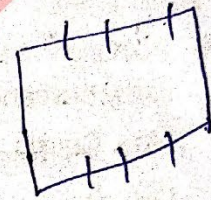
Few friends decided to organize a dinner and invited their a few friends. Only the host and hostess were sitting at the opposite ends of a rectangular table, with three persons on each side. The prerequisite of the seating arrangement was that each person must be seated such that at least on one side he / she has a person of the opposite sex.

- Mayank is opposite to Sangeeta, who is not the hostess.
- Ranveer has a woman on his right and is seating opposite of a woman.
- Meenakshi is seating to the hostess right, next to Deepak.
- One person is seated between Mayuri and Urvashi. Urvashi is not the hostess.
- The men were Mayank, Ranveer, Deepak and Joni, while the women were Mayuri, Urvashi, Sangeeta and Meenakshi.

101. Joni must be :

- (I) the host  
(II) seated to Sangeeta's right  
(III) seated opposite of Urvashi

- (A) Only (I) (B) Only (III)  
(C) Both (I) and (II) (D) None of these



102. Which of the following persons is definitely not seated next to a person of the same sex ?

- (A) Mayank (B) Mayuri  
(C) Joni (D) Sangeeta

103. If Ranveer would have exchanged seat with a person four places to his left, which of the following would have been true after the exchange ?

- (I) No person of the opposite sex was seated between two persons of the same sex (e.g. no man was seated between two women)  
(II) One side of the table considered entirely of persons of the same sex.  
(III) Either the host or the hostess changed their seats.

- (A) Only (I) (B) Only (II)  
(C) Both (I) and (II) (D) Both (II) and (III)

104. If each person is placed directly opposite of his/her spouse, which of the following pair must be married ?

- (A) Ranveer and Meenakshi (B) Mayuri and Deepak  
(C) Urvashi and Joni (D) Ranveer and Mayuri



105. Deepak is seated between :  
 (A) Urvashi and Ranveer (B) Mayuri and Meenakshi  
 (C) Sangeeta and Meenakshi (D) Joni and Sangeeta
106. Harsh moves 15 kms in East direction, then turns towards North and moves 4 kms, From there he turns West and travels 12 kms. How far is he from his starting point ?  
 ✓(A) 5 kms (B) 27 kms  
 (C) 3 kms (D) 9 kms
107. Pointing at a boy in the photograph, Ravi said "The boy sitting is the son of the wife of the only son of the grandmother of my younger brother". What is the relation between the boy in the photograph and Ravi ?  
 (A) Brothers (B) Ravi's brother-in-law  
 (C) First cousins ✓(D) Nephew and Uncle
108. Pointing to a lady on the stage, Bhumika said, "She is the sister of the son of the wife of my husband". How is the lady related to Bhumika ?  
 (A) Cousin (B) Sister-in-law  
 (C) Sister ✓(D) Daughter
109. Marc is Robin's mother's father. Marc has three brothers. One of them has a grandson Anurag. Krish is the son of Anurag. Krish is related to Robin as :  
 (A) Uncle ✓(B) Nephew  
 (C) Brother (D) Cousin
110. X introduces Y saying, "He is the husband of the granddaughter of the father of my father". How Y is related to X ?  
 (A) Uncle ✓(B) Brother-in-law  
 (C) Brother (D) Grandfather

**Direction (Q. Nos. 111 and 112) :** Each of the following questions contains a small paragraph followed by a question on it. Read each paragraph carefully and answer the question given below it.

111. The future of women in India is quite bright and let us hope that they will justify their abilities by rising to the occasion. Napoleon was right when he declared that by educating the women we can educate the whole nation. Because a country can never rise without the contribution of 50% of their population.

The passage best supports the statement that :

- (A) India is striving hard for the emancipation of women.  
 (B) All women should be well educated.



- (C) A nation can progress only when women are given equal rights and opportunities as men.
- (D) Women ought to be imparted full freedom to prove their worth and contribute to the progress of the nation.

112. Satisfaction with co-workers, promotion opportunities, the nature of work, and pay goes with high performance among those with strong growth needs. Among those with weak growth needs, no such relationship is present - and, in fact, satisfaction with promotion opportunities goes with low performance.

This passage best supports the statement that :

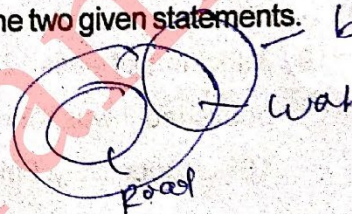
- (A) Satisfaction is an inevitable organisational variable.
- (B) Job satisfaction and performance are directly and closely related.
- (C) Relationship between job satisfaction and performance is moderated by growth need.
- (D) Every organisation has few employees having weak growth need.

**Direction (Q. Nos. 113 and 114) :** In each question below are given two statements followed by two conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusion and then decide which of the given conclusions logically follows from the two given statements.

113. Statements : All roads are waters. Some waters are boats.

Conclusions :

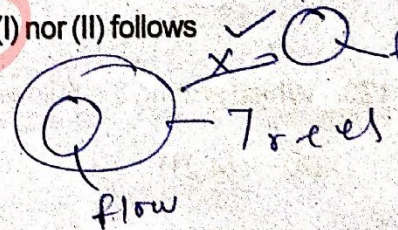
- (I) Some boats are roads. ✗
- (II) All waters are boats. ✗
- (A) Only conclusion (I) follows
- (B) Only conclusion (II) follows
- (C) Both (I) and (II) follow
- (D) Neither (I) nor (II) follows



114. Statements : All flowers are trees. No fruit is tree.

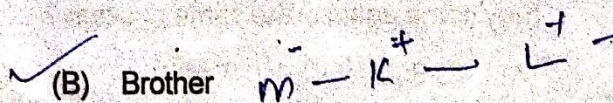
Conclusions :

- (I) No fruit is flower.
- (II) Some trees are flowers. ✗
- (A) Only conclusion (I) follows
- (B) Only conclusion (II) follows
- (C) Neither (I) nor (II) follows
- (D) Both (I) and (II) follow



115. K is L's wife's husband's brother. M is the sister of K. N is the sister of L. How is K related to M ?

- (A) Sister-in-law
- (B) Brother
- (C) Daughter
- (D) Wife





Section - IV  
(Quantitative Aptitude)

116. The mean of five numbers is 30. If one number is excluded, their mean becomes 28. the excluded number is :

- (A) 26  
✓ (C) 38

- (B) 34  
(D) 46

$$30 \times 5 - 28 \times 4 = 150 - 112 = 38$$

117. The average cost of 5 jeans and 7 shirts is ₹ 600 and the average cost of 5 jeans is ₹ 740, then the average cost of 7 shirts is :

- ✓ (A) ₹ 500  
(C) ₹ 450

- (B) ₹ 560  
(D) ₹ 480

$$5J + 7S = 600$$

$$5J = 740 \times 5 = 1700$$

$$7S = 600 - 1700 = -1100$$

$$S = -157.14$$

118. Three years ago, the average age of Marsh and Mathew was 16. With Steve joining them now, the average age becomes 20. The present age of Steve is ?

- (A) 16 years  
(C) 18 years

- ✓ (B) 22 years  
(D) 20 years

$$19 \times 2 = 38$$

$$38 + 22 = 60$$

$$60 / 3 = 20$$

119. 3 sections of class 12<sup>th</sup> had 50, 40 and 30 students, respectively. When results were published it was found that the fail percentage of each class was 12%, 15%, and 10% respectively. Find the average pass percentage of all three sections.

- (A) 85.5%  
(C) 88.5%

- (B) 89.5%  
(D) 87.5%

$$5 \left( \frac{200, 300, 360}{40, 60, 120} \right) \times 5 = 12000$$

120. Which among the following is a pair of co-primes ?

- (A) (14,21)  
(C) (31,62)

- ✓ (B) (18,25)  
(D) (32,62)

$$\begin{array}{r} 73 \\ 12 \\ \hline 146 \\ 73 \\ \hline 219 \end{array}$$

121. Three planets that revolve around the Sun take 200, 300 and 365 days, respectively. If they are in a line on one side of the Sun on a certain day, after how many days will they come again in the same position ?

- (A) 43,800  
(C) 42,599

- (B) 43,500  
(D) 44,800



122. A person marks his good 20% higher than cost price and allows a discount of 5%. His percentage profit is :

- (A) 15% (B) 20%  
 (C) 14% (D) 5%

$$-5 + 20 = \frac{15}{100}$$

123. 'A' sold a mobile at a gain of 5% to 'B' and 'B' sold it to 'C' at a gain of 4%. If 'C' paid ₹ 2,184 Find the price paid by A.

- (A) Rs. 2,111 (B) Rs. 2,010  
 (C) Rs. 2,000 (D) Rs. 2,101

$$x \times \frac{105}{100} \times \frac{104}{100} = 2184$$

$$x = \frac{2184 \times 100 \times 100}{105 \times 104} = 2000$$

124. If  $x = 5 - 2\sqrt{6}$ , then  $x^2 - 1/x^2 = ?$

- (A)  $36\sqrt{6}$  (B)  $-27\sqrt{6}$   
 (C)  $-40\sqrt{6}$  (D)  $72\sqrt{6}$

125. If  $(x-7)^2 + (y-5)^2 + (z-3)^2 = 0$ , then value of x, y and z are \_\_\_\_\_ respectively.

- (A) 49, 25, 9  (B) 7, 5, 3  
 (C) Can't be determined (D)  $\sqrt{7}, \sqrt{5}, \sqrt{3}$

$$\frac{28}{24} = \frac{7}{6}$$

126. A class consists of 12 boys and 8 girls. If a panel of 3 students is to be made, then the probability of choosing two girls and one boy is :

- (A) 28/95 (B) 7/20  
 (C) 11/75 (D) 12/19

$$\frac{{}^{12}C_1 \times {}^8C_2}{{}^{20}C_3} = \frac{12 \times 28}{1140} = \frac{7}{20}$$

127. A, B and C enter into partnership with total of ₹ 8,200. A's capital is ₹ 1,000 more than B's capital and ₹ 2,000 less than C's capital. What is B's share of the year's profit of ₹ 2,460 ?

- (A) ₹ 560 (B) ₹ 920  
 (C) ₹ 820 (D) ₹ 420

$$A = B + 1000$$

$$A = C - 2000$$

$$A + B + C = 8200$$

$$B + 1000 + B + C - 2000 = 8200$$

$$2B + C = 9200$$

128. A woman is 5 years younger than her husband and 3 times as old as her daughter. If the daughter attains the age of 21 after 6 years, what is the present age of the father ?

- (A) 45 years (B) 50 years  
 (C) 55 years (D) 40 years

$$\frac{74}{7} \times 2460$$

(Turn over)





129. 20 liters of chemical A is added to 80 liters of mixture which is 10% chemical A and 90% chemical B. What percentage of the resulting mixture is chemical A?

- (A) 18% (B) 40%  
(C) 15% (D) 28%

130. When a number is divided by 4, the quotient is 28, what is the number?

- (A) 112 (B) 46  
(C) 86 (D) 96

$$\frac{28 \times 4}{112} = 28$$

131. Sankalp had a number of cookies. After eating one, he gave half the remainder to his sister. After eating another cookie, he gave half of what was left to his brother. Sankalp now has 5 cookies left. How many cookies did he start with?

- (A) 11 (B) 35  
(C) 23 (D) 45

$$5 \leftarrow 10 + 1 - 2x + 1$$

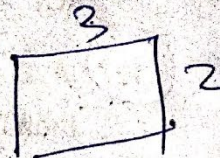
132. When 48 is subtracted from a number, it reduces to its 70%. What is one-fourth of that number?

- (A) 20 (B) 40  
(C) 60 (D) 80

$$\frac{1}{4} \times 100 \times \frac{48}{30} = 40$$

133. The ratio between the length and breadth of a rectangular jogging park is 3 : 2. If Ashish cycling along the boundary of the park at the speed of 12km / hr completes one round in 8 minutes, then the area of the park (in sq. m) is :

- (A) 307200 sq.m (B) 30720 sq.m  
(C) 153600 sq.m (D) 15360 sq.m



134. If 80% of A = 20% of B and B = 5x% of A, then the value of x is :

- (A) 75 (B) 80  
(C) 90 (D) 85

$$4A = B$$

$$B = \frac{5x}{100} \times A$$

$$P = \frac{12 \times 5}{18} \times x$$

$$640 = 3200$$

135. The sum of the squares of three numbers is 532 and the ratio of the first to the second as also of the second to the third is 3 : 2. What is the second number?

- (A) 12 (B) 18  
(C) 15 (D) 21

$$4A = \frac{3x}{20}$$

$$x = 80$$

$$\frac{64}{64} = \frac{640}{640}$$





136. If ₹ 58 is divided among 150 children such that each girl and each boy get 25 p and 50 p respectively, then how many girls are there in total ?

- (A) 50  
 ✓(C) 72  
 (B) 68  
 (D) 112

$$\frac{G}{x \times 25} + \frac{B}{y \times 50}$$

137. A piggy bank had ₹ 1, ₹ 2, and ₹ 5 coins. When it was opened it had ₹ 400 worth coins. The values of the coins were in the ratio 2 : 1 : 5. Find out the ratio of the number of each coins.

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

$$2 : 2 : 10$$

$$25x + 50y = 5$$

138. Half of X, one third of Y and one fifth of Z are all equal. Find X : Y : Z.

- (A) 3 : 4 : 5  
 (C) 1 : 2 : 3  
 (B) 2 : 3 : 4  
 ✓(D) 2 : 3 : 5

$$\frac{X}{2} = \frac{Y}{3} = \frac{Z}{5}$$

$$(2, 3, 5)$$

139. Varun can do a piece of work in 20 days. Tarun is 25% more efficient than Varun. The number of days taken by Tarun to do the same piece of work is :

- (A) 15  
 (C) 18  
 ✓(B) 16  
 (D) 25

140. A and B can do piece of work in 12 days, B and C in 15 days and C and A in 20 days. How long would each take to do the same amount of work separately ?

- (A) 30, 60, 20  
 (C) 20, 15, 30  
 ✓(B) 30, 20, 60  
 (D) 15, 20, 35

141. 12 buckets of water fill a tank when the capacity of each bucket is 13.5 litres. How many buckets will be needed to fill the same tank, if the capacity of each bucket is 9 litres ?

- (A) 13  
 ✓(C) 18  
 (B) 6  
 (D) 15

142. Federer can do a job in 40 days. He worked on it for 5 days and then Paes finished it in 21 days. In how many days Federer and Paes can finish the work together ?

- (A) 10  
 (C) 20  
 (B) 15  
 (D) 12

143. If a car moves from A to B at a speed of 60 km / hr, and comes back from B to A at a speed of 40 km / hr, then its average speed is :

- (A) 46 km / hr  
 (C) 56 km / hr  
 (B) 50 km / hr  
 ✓(D) 48 km / hr





144. A train of length 150 meters takes 40.5 seconds to cross a tunnel of length 300 meters. What is the speed of the train in km / hr ?

- (A) 13.33 (B) 26.67  
 (C) 40 (D) 66.67

$$\frac{150 + 300}{40.5} \times \frac{3600}{1000}$$

145. Express and Super-express trains leave Pune to Bombay with a difference of 1 hour. If their average speeds are 45 km / hr and 60 km / hr, at what distance from Pune will both the trains meet ?

- (A) 120 kms (B) 150 kms  
 (C) 180 kms (D) 160 kms

$$\frac{180}{45} - \frac{180}{60} = 1$$

146. A boat rows 20 kms upstream and 30 kms downstream in 5 hours each. The velocity of the stream is :

- (A) 1 km / hr (B) 2 km / hr  
 (C) 3 km / hr (D) 4 km / hr

$$\frac{1080}{27}$$

147. The difference between place values of both 6s in the numerical 376982604 is :

- (A) 4 (B) 4,404  
 (C) 59,99,400 (D) 5,99,400

148. Find the number which when multiplied by 17 increases by 208.

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

$$\frac{208}{17} = n(n+1)$$

$$11 \times (11+2)$$

149. Find the sum of odd numbers from 1 to 111.

- (A) 3,136 (B) 3,223  
 (C) 3,256 (D) 3,526

150. The sum of two numbers is 23 and their difference is 15. Find the product of the numbers.

- (A) 76 (B) 77  
 (C) 79 (D) 78

$$x + y = 23$$

$$x - y = 15$$

$$xy = 76$$