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Odisha HC
ASO (Pre)
Previous Year Paper
24 Dec, 2023

HIGH COURT OF ORISSA : CUTTACK

Special Recruitment Drive to the Posts of Assistant Section Officer
Preliminary Test – 2023

Series : D   Sl. No. _ _ 0363

Roll No. : ☐☐☐☐☐☐

Time : 2 Hours (120 Minutes)   Maximum Marks : 150

: Instruction to the Candidate :

1. DO NOT OPEN THE BOOKLET SEAL UNLESS AND UNTILL 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 replacement of a fresh question booklet.

5. The candidate will not be given a second blank OMR Answer Sheet under any circumstances.

6. This test paper is of **150 marks** containing **150 multiple choice questions.**

7. There will be negative marking of **0.5 marks** for every wrong answer or where the candidate has marked more than one response.

8. The candidate should write the Question Booklet Number, Roll No and other details in the space provided in the OMR Answer Sheet in Black/Blue ball point pen.

9. The candidate should write the Question Booklet Number and OMR Answer Sheet Number and Sign in the space provided in the attendance sheet.

10. The candidate shall not write anything on the OMR Answer Sheet other than the details required in the space provided for.

11. Use Black/Blue ball point pen for darken the circles. Indicate only one most appropriate answer by darkening from the options provided. The answer circle should be darkened completely without leaving any space.

12. Possession of electronic devices in any form is strictly prohibited in the examination hall.

13. The use of any unfair means by the candidate shall result in the cancellation of his/her candidature.

14. Impersonation is an offense and the candidate, apart from disqualification will be liable to be prosecuted.

15. Handle the OMR Answer Sheet with care, don't fold or tear.

16. Ensure that the invigilator puts his/her signature in the space provided on the OMR Answer Sheet.

17. The candidate should sign in the space provided in the OMR Answer Sheet and on the Question Booklet.

18. Return the OMR Answer Sheet positively to the invigilator after examination, before leaving the examination hall.

☐

Candidate's full signature

YO – 1D/38   (Turn over)

Section – I
(General English)

(Questions 1-5) Choose the most appropriate meaning of the underlined phrase.

1. In light of his financial strain, he cancelled his holiday.

    (A) Appreciation of
    (B) Because of
    (C) Hence
    (D) None of these

2. He scraped the barrel to win the match.

    (A) Tried hard
    (B) Fought
    (C) Hide
    (D) Was forced to use his last and weakest resource

3. His assistant is always at his elbow.

    (A) Next
    (B) Far away
    (C) Strong grip
    (D) Strong bond

4. I wish you bear the palm in the football match.

    (A) Bring joyful news
    (B) Lose a game
    (C) Advocate peace
    (D) Become winner

5. I haven't seen you in donkey's years !

    (A) In very long time
    (B) In very short time
    (C) In unusual manner
    (D) In different manner

6. I'll be ready to leave _____ about twenty minutes.

    (Choose the correct preposition)

    (A) In
    (B) On
    (C) At
    (D) Over

7. You _____ have bothered coming. (Choose the correct modal)

   (A) Wouldn't
   (B) Mightn't
   (C) Needn't
   (D) Shouldn't

8. Someone has stolen my pen. (Find the passive sentence)

   (A) My pen was stolen
   (B) My pen is stolen
   (C) My pen has been stolen by someone
   (D) My pen had been stolen by someone

9. She wants to become _____ lawyer. (Find the correct article)

   (A) A
   (B) An
   (C) The
   (D) No article

10. I _____ to the supermarket yesterday. (Put the correct tense)

    (A) Went
    (B) Go
    (C) Will go
    (D) Have gone

11. Our Country is spiritual country, theirs _____ religious.

    (A) is
    (B) are
    (C) also
    (D) have

12. Please don't laugh _____ those beggars.

    (A) for
    (B) against
    (C) at
    (D) from

13. She _____ her son for 15 minutes.

    (A) is beating
    (B) has been beating
    (C) has been beaten
    (D) beats

14. I did not _____ to the university yesterday.

    (A) went
    (B) go
    (C) gone
    (D) going

(Questions 15-17) Answer the most appropriate Synonym of the given words.

15. PERIODIC :

(A) INFREQUENT   (B) CONTINOUS

(C) OCCASIONAL   (D) REGULAR

16. DETER :

(A) HINDER   (B) NEGLECT

(C) DISAPPROVE   (D) DIFFER

17. NOTION :

(A) THOUGHT   (B) FACT

(C) TRUTH   (D) HYPOTHESIS

Answer the correctly spelt word from questions 18-20.

18.

(A) Chancelary   (B) Chancellery

(C) Chancelery   (D) Chancellary

19.

(A) Hindrance   (B) Hinderrance

(C) Hinderence   (D) Hindrence

20.

(A) Vetarinary   (B) Veteninary

(C) Vetinary   (D) Veterinary

(Questions 21-25) Answer the most appropriate antonym of the given words.

21. Impending :

(A) Unlikely   (B) Plethora

(C) Numinous   (D) Toady

22. Arbitrary :

(A) Dogmatic   (B) Diluvial

(C) Nonchalant   (D) Systematic

YO – 1D/38   (4)   Contd.

23. Deter :

    (A) Petulant   (B) Encourage

    (C) Deficit   (D) Acrid

24. Modest :

    (A) Unhappy   (B) Conceited

    (C) Sullen   (D) Glum

25. Impeach :

    (A) Expulse   (B) Dispel

    (C) Include   (D) Dismiss

(Questions 26-30) which is the most appropriate one word substitution of the following ?

26. Speaking without preparation :

    (A) Deliberate   (B) Fluent

    (C) Loquacious   (D) Extempore

27. One who helps people by giving them money or other aid :

    (A) Benefactor   (B) Beneficiary

    (C) Tycoon   (D) Patriot

28. Having infinite power :

    (A) Impotent   (B) Omnipresent

    (C) Omnipotent   (D) Omniscient

29. To accustom oneself to a foreign climate :

    (A) Adapt   (B) Adopt

    (C) Accustom   (D) Acclimatise

30. A post with little work but high salary :

    (A) Director   (B) Trustee

    (C) Sinecure   (D) Ombudsman

31. Ram runs 10km everyday. (Identify the proper noun)

   (A)   Runs

   (B)   Ram

   (C)   Everyday

   (D)   None of these

32. Steven is _____ good boy. (Find the correct article)

   (A)   The

   (B)   A

   (C)   An

   (D)   From

33. He <u>still</u> lives in that house. (Name the part of speech of the underlined word)

   (A)   Adverb

   (B)   Adjective

   (C)   Noun

   (D)   Verb

34. He died fighting _____ of his country. (Choose correct preposition)

   (A)   On behalf of

   (B)   For

   (C)   From

   (D)   In lieu of

35. Hurray! We have won the match. (Identify the interjection from the sentence)

   (A)   Won

   (B)   Hurray

   (C)   The

   (D)   We

36. Which one of the following is in present perfect tense ?

   (A)   I have seen him

   (B)   I saw him

   (C)   I am seeing him

   (D)   I will see him

37. What is the meaning of the word 'adjudicate' ?

   (A)   Decide

   (B)   Forecast

   (C)   Predict

   (D)   Begin

38. He is smart _____ for this task. (Put the most appropriate adverb)

   (A)   Upon

   (B)   Enough

   (C)   Beside

   (D)   Through

39. He ran fast _____ lost the race. (Put the correct conjunction)

(A) But

(B) Because

(C) Neither

(D) So

40. The shirt suits you; you _____ take it.

(A) Should

(B) Would

(C) Will

(D) Need not

41. _____ sun rises in the East. (find the article)

(A) An

(B) A

(C) The

(D) Since

42. Mohan is a good singer. _____ sings in private parties.

(Choose the correct pronoun)

(A) They

(B) These

(C) His

(D) He

43. Sakhi was suffering from _____.

(A) Diarrhoea

(B) Diarhoea

(C) Diarroea

(D) Diarrhoae

44. The public _____ right to know the truth. (Choose the correct option)

(A) Should

(B) Have

(C) Has

(D) Must

45. The meaning of the word 'epitome' is :

(A) Stature

(B) Sadness

(C) Dumb

(D) Example

Section – II

(General Knowledge)

46. Elections to panchayats in state are regulated by :
    - (A) Gram panchayat
    - (B) Nagar Nigam
    - (C) Election Commission of India
    - (D) State Election Commission

47. Forming of Association in India is a :
    - (A) Legal Right
    - (B) Constitutional Right
    - (C) Fundamental Right
    - (D) Natural Right

48. The driving force of an ecosystem is :
    - (A) Carbon Monoxide
    - (B) Biogas
    - (C) Solar Energy
    - (D) Carbon Dioxide

49. Which of the following is responsible for nitrogen fixation ?
    - (A) Fungus
    - (B) Bacteria
    - (C) Virus
    - (D) Insects

50. The University of Nalanda was set up by which Gupta ruler ?
    - (A) Kumargupta I
    - (B) Chandragupta II
    - (C) Samudragupta
    - (D) Kumargupta II

51. Moderates and the Extremists in the Indian National Congress split in 1907 at :
    - (A) Surat
    - (B) Calcutta
    - (C) Nagpur
    - (D) Madras

52. Which among the following disease is caused by deficiency of Nicotinic acid ?
    - (A) Anaemia
    - (B) Pellagra
    - (C) Dermatitis
    - (D) Goiter

53. Which Article of the Indian Constitution provides for a Governor ?
    - (A) Article 152
    - (B) Article 153
    - (C) Article 154
    - (D) Article 156

54. Uttarkashi Tunnel is in which state ?
    - (A) Uttar Pradesh
    - (B) Uttarakhand
    - (C) Himachal Pradesh
    - (D) Delhi

55. Which automobile manufacturer has launched a registered vehicle scrapping facility (RVSF) in India ?

(A) Tata Motors
(B) Mahindra Group
(C) Maruti Suzuki
(D) Hyundai Motors

56. Who invented telephone ?

(A) Alexander Graham Bell
(B) Wright Brothers
(C) Charles Babbage
(D) Sir Issac Newton

57. What is the capital of Bangladesh ?

(A) Kabul
(B) Vienna
(C) Dhaka
(D) Delhi

58. Which is the oldest veda ?

(A) Sam Veda
(B) Yajur Veda
(C) Atharva Veda
(D) Rig Veda

59. Arjuna Award is given for :

(A) Sports
(B) Literature
(C) Science
(D) Bravery

60. Who is the present Chief Justice of India ?

(A) Justice Ranganath Mishra
(B) Justice U. U. Lalit
(C) Justice Y. V. Chandrachud
(D) Justice D. Y. Chandrachud

61. What was the theme of World AIDS Day 2023 ?

(A) Bridges of Understanding
(B) Harmony in Healing
(C) Let Communities Lead
(D) Community for Healing

62. Who among the following formed 'Utkal Brahmo Samaj' at Cuttack ?

(A) Keshab Chandra Sen
(B) Pratap Chandra
(C) Rammohan Roy
(D) Haranath Bhattacharya

63. In which landmark judgement of the Apex Court 'Basic Structure' Doctrine came into being ?

(A) Minerva Mills v. Union of India
(B) Raj Narain v. State
(C) Keshavananda Bharti V. Union of India
(D) A. K. Gopalan v. State

64. What is the capital of Japan ?

    (A) Beijing   (B) Tokyo

    (C) Kobe   (D) Osaka

65. Odisha High Court was formally inaugurated in which year ?

    (A) 1947   (B) 1948

    (C) 1949   (D) 1950

66. 'Raas Mahotsav or Raas Leela festival' is celebrated in which state ?

    (A) Rajasthan   (B) Assam

    (C) West Bengal   (D) Gujarat

67. Which institution launched the Periodic Labour Force Survey (PLFS) ?

    (A) NITI Aayog   (B) ILO

    (C) NSSO   (D) DPIIT

68. Who has been appointed as the Head Coach of Indian cricket team by the Board of Control for Cricket in India (BCCI) ?

    (A) Rahul Dravid   (B) Sachin Tendulkar

    (C) Wasim Akram   (D) Mohammad Kaif

69. Who was the first Chief Justice of Odisha when India became a Republic ?

    (A) Justice Lingaraj Panigrahi   (B) Justice Khaleel Ahmed

    (C) Justice Satya Bhusan Burman (D) Justice Bira Kishore Ray

70. Which of the following is the first Odia newspaper of Odisha ?

    (A) Dharitri   (B) Utkala Deepika

    (C) Dinalipi   (D) Anupam Bharat

71. How many seats are there in Odisha Legislative Assembly ?

    (A) 148   (B) 147

    (C) 145   (D) 151

72. World Aids Day is on :

    (A) Dec 2   (B) Dec 1

    (C) Nov 1   (D) Nov 2

73. Which language is spoken in Karnataka ?

(A) Marathi (B) Hindi

(C) Kannada (D) Malayalam

74. In which year was Rowlatt Act passed ?

(A) 1918 (B) 1919

(C) 1920 (D) 1917

75. Saina Nehwal is associated with which sport ?

(A) Badminton (B) Cricket

(C) Lawn tennis (D) Table tennis

76. The Indian Constitution has how many schedules ?

(A) 12 (B) 9

(C) 10 (D) 11

77. How many National Parks are there in Odisha ?

(A) 2 (B) 6

(C) 1 (D) 5

78. Who becomes fastest Indian to reach 100 ODI wickets ?

(A) Ajit Agarkar (B) R Ashwin

(C) J Bumrah (D) Mohammed Shami

79. Abolition of untouchability is enshrined under which Article ?

(A) Article 17 (B) Article 18

(C) Article 19 (D) Article 16

80. Which one of the following river flows between Vindhyan and Satpura ranges ?

(A) Narmada (B) Mahanadi

(C) Son (D) Netravati

81. Pradhan Mantri Garib Kalyan Anna Yojana (PMGKAY) has been extended till which year recently ?

(A) 2025 (B) 2028

(C) 2030 (D) 2032

82. 'Indian Renewable Energy Development Agency' is a Public Sector Enterprise under which Union Ministry ?

(A) Ministry of Power

(B) Ministry of New & Renewable Energy

(C) Ministry of Science and Technology

(D) Ministry of Commerce and Industry

83. Who was the first Chief Minister of Odisha State ?

(A) Harekrushna Mahatab   (B) Surendra Sai

(C) Gopabandhu Madhusudan Das   (D) Maharaja Sriram Chandra Bhanj Deo

84. 'Starlink' is a satellite internet constellation designed and manufactured by which company?

(A) Amazon   (B) SpaceX

(C) Blue Origin   (D) Apple

85. The Greenfield International Airport at Goa has been named after which leader ?

(A) Atal Bihari Vajpayee   (B) Manohar Parrikar

(C) Sardar Vallabhbhai Patel   (D) Sushma Swaraj

86. Who is the author of 'Jungle Book' ?

(A) Mark Twain   (B) R. L. Stevens

(C) Lewis Caroll   (D) Rudyard Kipling

87. Which government institution has the Motto, "Yato Dharmastato Jayah" ?

(A) Supreme Court of India   (B) Lok Sabha

(C) Rajya Sabha   (D) CBI

88. Salt is obtained from sea water by which process ?

(A) Evaporation   (B) Absorption

(C) Sublimation   (D) Adsorption

89. Which of the following is a scalar quantity ?

(A) Force   (B) Pressure

(C) Momentum   (D) Acceleration

Section – III
(Logical Reasoning)

90. If PIPE is written as 169165, then what is the last digit of SWAN ?

   (A) 5   (B) 6

   (C) 4   (D) 3

91. STATEMENT

   Some monitors are keyboards.

   All keyboards are mouses.

   No speaker is mouse.

   CONCLUSIONS :

   (I)   Some mouse are monitors.

   (II)   No mouse is speaker.

   (A)   Only conclusion (II) follows

   (B)   Either conclusion (I) or (II) follows

   (C)   Neither conclusion (I) nor (II) follows

   (D)   Both conclusions (I) and (II) follow

92. Statements : Some actors are singers. All the singers are dancers.

   Conclusions:

   (I)   Some actors are dancers.

   (ii)   No singer is actor.

   (A)   Only (I) conclusion follows (Answer)

   (B)   Only (II) conclusion follows

   (C)   Either (I) or (II) follows

   (D)   Neither (I) nor (II) follows

93. Statements : Some ants are parrots. All the parrots are apples.

   Conclusions :

   (I)   All the apples are parrots.

   (II)   Some ants are apples.

   (A)   Only (I) conclusion follows

   (B)   Only (II) conclusion follows

   (C)   Either (I) or (II) follows

   (D)   Neither (I) nor (II) follows

94. Today is Monday. After 61 days, it will be :

    (A)   Wednesday   (B)   Saturday

    (C)   Tuesday   (D)   Thursday

95. REASON : SFBTPO :: THINK : ?

    (A)   SGHMJ   (B)   UIJOL

    (C)   UHNKI   (D)   UJKPM

96. Microphone : Loud :: Microscope : ?

    (A)   Elongate   (B)   Investigate

    (C)   Magnify   (D)   Examine

97. College : Student :: Hospital : ?

    (A)   Nurse   (B)   Doctor

    (C)   Treatment   (D)   Patient

98. Given statements are :

    (I)   The Reserve Bank of India has recently put restrictions on few small banks in the country.

    (II)   The small banks in the private and co-operative sector in India are not in a position to withstand the competitions of the bigger in the public sector.

    (A)   Statement (I) is the cause and statement (II) is its effect

    (B)   Statement (II) is the cause and statement (I) is its effect

    (C)   Both the statements (I) and (II) are independent causes

    (D)   Both the statements (I) and (II) are effects of independent causes

99. Answer according to the statements :

    (I)   The police authority has recently caught a group of house breakers.

    (II)   The citizens group in the locality have started night vigil in the area.

    (A)   Statement (II) is the cause and statement (I) is its effect

    (B)   Both the statements (I) and (II) are independent causes

    (C)   Both the statements (I) and (II) are effects of independent causes

    (D)   Both the statements (I) and (II) are effects of some common cause

100. In a certain code language,

'134' means 'good and tasty';

'478' means 'see good pictures'

'729' means 'pictures are faint'.

Which of the following digits stands for 'see' ?

(A) 9   (B) 2

(C) 1   (D) 8

101. In certain code 'TIGER' is written as 'QDFHS'. How is 'FISH' written in that code ?

(A) GERH   (B) GRHE

(D) GREH   (D) GHRE

102. According to a military code, SYSTEM is SYSMET and NEARER is AENRER. What is the code for FRACTION ?

(A) CARFTINO

(B) CARFTION

(C) ARECNOIT

(D) CARFNOIT

103. If train is called bus, bus is called tractor, tractor is called car, car is called scooter, scooter is called bicycle, bicycle is called moped, which is used to plough a field ?

(A) Train   (B) Bus

(C) Tractor   (D) Car

(Questions 104-106) : Read the given information carefully and answer the problems given below :

Eight persons A, B, C, D, E, F, G, and H are sitting around a circular table but do not needs to be sitting in the same arrangement. Five of them are facing inner while others are facing outward.

E is third to the right of (C) F sits third to the left of E. Three persons sit between F and (B) G sits third to the right of F who is not facing the centre. D sits third to the right of A, who is not facing the centre.

104. Who among the following is second to the right of B ?

(A) D   (B) C

(C) E   (D) H

105. Which of the following statements is/are true concerning P ?

   (A)   H is the opposite of G   (B)   H is fourth to the right of G.

   (C)   H is fourth to the left of G   (D)   All are true

106. Who among the following is second to the right of the one who is suddenly left of H ?

   (A)   D   (B)   C

   (C)   E   (D)   F

107. Divya's father, pointing towards a person, said, "He is the brother of my father's only sibling". How is the person related to Divya ?

   (A)   Father   (B)   Nephew

   (C)   Brother   (D)   Grandfather

108. Pointing to a man on the stage, Rita said, " He is the brother of the daughter of the wife of my husband." How is the man on the stage related to Rita ?

   (A)   Son   (B)   Husband

   (C)   Cousin   (D)   Nephew

109. Pointing to a photograph, Vipul said, "She is the daughter of my grandfather's only son." How is Vipul related to the girl in the photographer ?

   (A)   Father   (B)   Brother

   (C)   Cousin   (D)   Uncle

110. If Kamal says, "Ravi's mother is the only daughter of my mother." How is Kamal related to Ravi ?

   (A)   Grandfather   (B)   Father

   (C)   Brother   (D)   None of these

111. How is my son's son's mother's daughter related to me ?

   (A)   Niece   (B)   Granddaughter

   (C)   Daughter   (D)   Aunt

112. A, B, C and D playing cards. A and B are partners. D faces towards North. If A faces towards West, then who faces towards South.

   (A)   B   (B)   C

   (C)   D   (D)   None of these

113. A person walks 4 km towards west, then turns to his right to travel 9 km. He turns towards east and travels 12 km. Finally, he travels 3 km towards south. How far is he from the initial position (in km) ?

(A) 15

(B) 23

(C) 18

(D) 10

114. After walking 6 km, I turned right and covered a distance of 2 km, then turned left and covered a distance of 10 km. In the end, I was moving towards the north. From which direction did I start my journey ?

(A) North

(B) South

(C) East

(D) West

115. Five friends A, B, C, D and E are staying in the same locality. B's house is to the east of A's house and to the north of C's house. C's house is to the west of D's house. D's house is in which direction with respect to A's house ?

(A) South-East

(B) North-East

(C) East

(D) None of these

116. JAK, KBL, LCM, MDN, _____.

(A) OEP

(B) NEO

(C) MEN

(D) PFQ

117. DEF, DEF2, DE2F2, D2E2F3, _____.

(A) DEF3

(B) D3EF3

(C) D2E3F

(D) D2E2F2

118. Arrange the words given below in a meaningful sequence starting with commission of an offence.

1. Police   2. Punishment   3. Crime

4. Judge   5. Judgement

(A) 3, 1, 2, 4, 5

(B) 1, 2, 4, 3, 5

(C) 5, 4, 3, 2, 1

(D) 3, 1, 4, 5, 2

119. Arrange the words given below in a sequence of size from small to large.

1. Elephant 2. Cat 3. Mosquito

4. Tiger 5. Whale

(A) 5, 3, 1, 2, 4

(B) 3, 2, 4, 1, 5

(C) 1, 3, 5, 4, 2

(D) 2, 5, 1, 4, 3

120. Choose the word which is different from the rest.

(A) Rigveda

(B) Yajurveda

(C) Atharvaveda

(D) Ayurveda
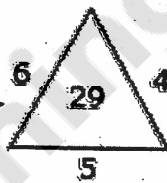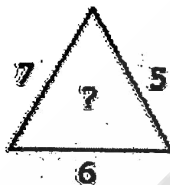
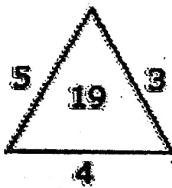121. Choose the word which is different from the rest.

(A) Sparrow

(B) Swan

(C) Parrot

(D) Koel

122. Which one will replace the question mark ?

(A) 25

(B) 37

(C) 41

(D) 47

123. G, J, N, Q, U, _____.

(A) W

(B) X

(C) Y

(D) Z

124. ACE : BDF : FHJ ?

(A) GIK

(B) GHK

(C) DFH

(D) FHL

125. EIGHTY : GIEYTH :: OUTPUT : ?

(A) TUOTUP

(B) TUOUTP

(C) UTOPTU

(D) UOTUPT

126. ODOMETER : DISTANCE :

    (A)   scale : weight
    (B)   length : width

    (C)   inch : foot
    (D)   mileage : speed

127. JAUNDICE : LIVER :

    (A)   rash : skin
    (B)   dialysis : kidney

    (C)   smog : lung
    (D)   valentine : heart

128. EXPLORE : DISCOVER :

    (A)   read : skim
    (B)   research : learn

    (C)   write : print
    (D)   think : relate

129. 9 11 33 13 15 33 17 :

    (A)   19 33
    (B)   33 35

    (C)   33 19
    (D)   15 33

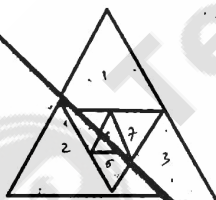130. During the past year, Josh saw more movies than Stephen.

Stephen saw fewer movies than Darren.

Darren saw more movies than Josh.

If the first two statements are true, the third statement is :

    (A)   True
    (B)   False

    (C)   Uncertain
    (D)   None of these

131. How many triangles are there in the given figure ?

    (A)   12
    (B)   11

    (C)   10
    (D)   9

132. Three of the following four words are alike in a certain way and one is different. Pick the odd one out.

    (A)   Triangle
    (B)   Hexagon

    (C)   Heptagon
    (D)   Pentagon

Section – IV

(Quantitative Aptitude)

133. A ladder is placed against a wall such that its foot is at a distance of 2.5 m from the wall and its top reaches a window 6 m above the ground. Find the length of the ladder.

   (A) 8.5 m

   (B) 6.5 m

   (C) 4.5 m

   (D) 2.5 m

134. Mr. Sinha distributes a certain sum of money among his five sons, one daughter and his wife in such a way that each son gets double the amount of his daughter and the wife gets double the amount of each son. If each son gets Rs. 15000, what was the total amount distributed ?

   (A) Rs. 123000

   (B) Rs. 112500

   (C) Rs. 138500

   (D) Rs. 132500

135. Men can develop a mobile app in 3 days. 3 women can develop the same app in 6 days, whereas 6 boys can develop it in 4 days. 3 men and 6 boys worked together for 1 day. If only women were to finish the remaining work in 1 day, how many women would be required ?

   (A) 9

   (B) 12

   (C) 8

   (D) 10

136. The ratio of length and breadth of rectangle is 5 : 2 respectively. The respective ratio of its perimeter and area is 1 : 3 (irrespective of the unit). What is the length of the rectangle ?

   (A) 27 units

   (B) 32 units

   (C) 21 units

   (D) None of these

137. If the adjacent sides of a rectangle whose perimeter is 60 cm are in the ratio 3 : 2, then what will be the area of the rectangle ?

   (A) 864 cm²

   (B) 216 cm²

   (C) 60 cm²

   (D) 300 cm²

138. The volume of a right circular cone is 462 cm³. If its height is 12 cm, then the area of its base (in cm²) is :

    (A) 124.5   (B) 103.5

    (C) 115.5   (D) 98.5

139. How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest ?

    (A) 3.5 years   (B) 4 years

    (C) 4.5 years   (D) 5 years

140. If $a - b = 1$ and $a^3 - b^3 = 61$, then the value of ab will be :

    (A) 30   (B) 60

    (C) -20 (D) 20

141. The ratio of the age of a father to that of his son is 5 : 2. If the product of their ages in years is 1000, then the father's age (in years) after 10 years will be :

    (A) 50   (B) 60

    (C) 80   (D) 100

142. The ratio of number of balls in bags x, y is 2 : 3. Five balls are taken from bag y and are dropped in bag x. The number of balls is equal in each bag now. The number of balls in each bag now is :

    (A) 45   (B) 20

    (C) 30   (D) 25

143. The rationalizing factor of $3\sqrt{3}$ is :

    (A) $\frac{1}{3}$ (B) 3

    (C) -3 (D) $\sqrt{3}$

144. A, B and C start running at the same time and at the same point in the same direction in a circular stadium. A completes a round in 252 seconds, B in 308 seconds and C in 198 seconds. After what time will they meet again at the starting point ?

    (A) 26 minutes 18 seconds   (B) 42 minutes 36 seconds

    (C) 45 minutes   (D) 46 minutes 12 seconds

145. When 75 is added to 75% of a number, the answer is the number itself. Find 40% of that number ?

(A) 100

(B) 80

(C) 120

(D) 160

146. B got 20% marks less than A. What percent marks did A got more than B ?

(A) 20%

(B) 25%

(C) 12%

(D) 80%

147. A boat covers 12 km upstream and 18 km downstream in 3 hours, while it covers 36 km upstream and 24 km downstream in 6.5 hours. What is the speed of the current ?

(A) 1.5 km/hr

(B) 1 km/hr

(C) 2 km/hr

(D) 2.5 km/hr

148. A boat is moving 2 km against the current of the stream in 1 hour and moves 1 km in the direction of the current in 10 minutes. How long will it take the boat to go 5 km in stationary water ?

(A) 1 hr 20 minutes

(B) 1 hr 30 minutes

(C) 1 hr 15 minutes

(D) 30 minutes

149. The sum of three consecutive even numbers is 42. Find the middle number of the three ?

(A) 14

(B) 16

(C) 18

(D) 24

150. The sum of the ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child ?

(A) 4 years

(B) 8 years

(C) 10 years

(D) None of these

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