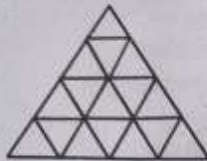## Arithmetic

1. The 30 members of a club decided to play a badminton singles tournament. Every time a member loses a game, he is out of the tournament. There are no ties. What is the minimum number of matches that must be played to determine the winner ?
   (a) 15
   (b) 29
   (c) 61
   (d) None of these

2. If the price of petrol falls down by 20%, by how much percent, must a person increase its consumption, so as to maintain the expenditure on petrol same as previous ?
   (a) 20%
   (b) 25%
   (c) 33.33%
   (d) 80%

3. If the cost price of 15 apples is same as the selling price of 20 apples, what is the gain or loss percent ?
   (a) 25% gain
   (b) 25% loss
   (c) 33.33% gain
   (d) 33.33% loss

4. Jadeja purchased a car 3 years ago for Rs 2 Lakhs. Its value depreciated each year by 25% per annum. What is the present value of the car ?
   (a) 85260
   (b) 84050
   (c) 84375
   (d) 82540

5. 16 workers working 6 hours a day, can build a wall of length 150 m, breadth 20 m and height 12 m in 25 days. In how many days 12 workers, working 8 hours a day, can build a wall of length 800 m, breadth 15 m, height 6 m ?
   (a) 60
   (b) 50
   (c) 40
   (d) None of these

6. A and B started simultaneously towards each other, from P and Q respectively. The distance between P and Q is 600 km and the ratio of speeds of A and B is 5 : 7. If they meet at a point M, then the distance PM is :
   (a) 350 km
   (b) 150 km
   (c) 250 km
   (d) None of these

7. Savita and Hamida are friends. What is the probability that both will have different birthdays ? (Ignoring a leap year).
   (a) $\frac{365}{366}$
   (b) $\frac{364}{365}$
   (c) $\frac{363}{365}$
   (d) $\frac{363}{366}$

8. What is the product of all the numbers in the dial of a telephone ?
   (a) 1,58,480
   (b) 1,59,450
   (c) 0
   (d) None of these

9. What is the unit digit in
   $\{(6374)^{1793} \times (625)^{317} \times (341)^{491}\}$?
   (a) 0
   (b) 2
   (c) 3
   (d) 5

10. On dividing 2272 as well as 875 by 3-digit number N, we get the same remainder. The sum of the digits of N is :
    (a) 10
    (b) 11
    (c) 12
    (d) 13

11. A boy multiplied 987 by a certain number and obtained 559981 as his answer. If in the answer both 9 are wrong and the other digits are correct, then the correct answer would be :
    (a) 553681
    (b) 555181
    (c) 555681
    (d) 556581

12. A number consists of 3 digits whose sum is 10. The middle digit is equal to the sum of the other two and the number will be increased by 99 if its digits are reversed. The number is :
   (a) 145
   (b) 253
   (c) 370
   (d) 352

13. Count the number of triangles in given figure :

   (a) 24
   (b) 26
   (c) 27
   (d) 28

14. A man wears socks of two colours - black and brown. He has altogether 20 black socks and 20 brown socks in a drawer. Supposing he has to take out the socks in the dark, how many least number of socks must he take out to be sure that he has matching pair ?
   (a) 3
   (b) 20
   (c) 39
   (d) None of these

15. Which of the following statements are true ?
   (i) Every whole number is a natural number.
   (ii) Every integer is a rational number.
   (iii) Every rational number is an integer.
   (a) (ii) only
   (b) (i) and (ii) only
   (c) (iii) only
   (d) All are true statements

Logical Reasoning

16. If in a code language 'MATCH' is written as 'NCWGM' and 'BOX' as 'CQA' , then how will 'NOTEBOOK' be written in the same language ?
   (a) OQWGIUVS
   (b) OQWIGVUS
   (c) OQWIGUVS
   (d) OQWIGUSV

17. If in a code language, "LUXOR" is written as 30, then in the same language, "GUILDS" will be written as :
   (a) 36
   (b) 38
   (c) 24
   (d) 40

18. In the given set, a rule is followed, find the set based on the same rule from the given options :
   Given set – (15, 30, 90)
   (a) (6, 18, 54)
   (b) (12, 24, 36)
   (c) (12, 24, 72)
   (d) (12, 26, 70)

19. 'Writing ' is related to 'Pen' as :
   (a) 'Singing' is related to 'Music'
   (b) 'Stitching' is related to 'Needle'
   (c) 'Dance' is related to 'Exercise'
   (d) 'Carpenter' is related to 'Tools'

20. Find the pair which is different from the other three pairs.
   (a) BFE
   (b) HLK
   (c) DHG
   (d) JNR

21. A monkey jumps up 30 feet at the beginning of each hour and rests for an hour, when he slips back 20 feet before he again starts climbing in the beginning of the next hour. If he begins his ascent at 8:00 am, at what time will he first touch a flag at 120 feet from the ground ?
   (a) 4 p.m.
   (b) 5 p.m.
   (c) 6 p.m.
   (d) None of these

22. If a clock rings once at 1 O'clock, twice at 2 O'clock, thrice at 3 O'clock and so on, then how many times the clock will ring in one day ?
   (a) 144 times
   (b) 136 times
   (c) 156 times
   (d) 147 times

23. If the water reflection of a Clock above, shows time as 6 hours 10 minutes, then the actual time will be :
   (a)   6 : 50
   (b)   12 : 40
   (c)   12 : 20
   (d)   6 : 10

24. Four bags T, S, V and W are so, that they all are of different weights .Bag T is only lighter than S. V is lighter than W and W is lighter than T. Which is the lightest bag ?
   (a)   S
   (b)   W
   (c)   T
   (d)   V

25. It being given that : > denotes +, < denotes –, + denotes +, – denotes =, = denotes < and x denotes > : find which of the following Is a correct statement ?
   (a)   3 + 2 > 4 = 9 + 3 < 2
   (b)   3 > 2 > 4 = 18 + 3 < 1
   (c)   3 > 2 < 4 × 8 + 4 < 2
   (d)   3 + 2 < 4 × 9 + 3 < 3

26. In the following number series, only one term is different. Find the different term :
   8, 27, 64, 100, 125, 216, 343
   (a)   27
   (b)   100
   (c)   125
   (d)   343

27. In 318, 368, 345, 395, 372, 422, ?, 449, what will come in place of question mark (?) ?
   (a)   398
   (b)   395
   (c)   438
   (d)   399

28. In the following series of Letters, which of the following options will come in place of question mark (?)
   BXF   DVI   FTL   HRO   ?
   (a)   JOL
   (b)   KPM
   (c)   KPL
   (d)   JPR

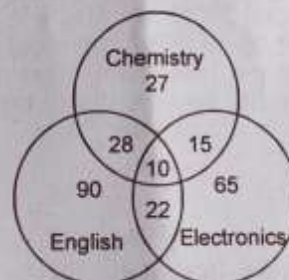29. Find the missing character from among the given alternatives :

   (a)   860
   (b)   1140
   (c)   2880
   (d)   3240

30. Assuming in the year 1950, Republic Day was celebrated on Wednesday. In the year 1951, this day would be celebrated on :
   (a)   Monday
   (b)   Tuesday
   (c)   Friday
   (d)   Thursday

31. In the Venn diagram below, the number of those candidates is given who passed in Chemistry, Electronics and English. Total number of candidates who appeared for the examination was 600. Find the percentage of candidates who passed in at least two subjects ?

   (a)   12.5%
   (b)   1.25%
   (c)   12.05%
   (d)   12%

32. Study the figure given below and find those youth who are in service but not literate :

   (a)   Only 7
   (b)   3 or 4
   (c)   6 or 4
   (d)   2 or 5 or 7

33. Rajesh goes 10 km towards North, from there he goes 6 km towards South, then he goes 3 km towards East. Find out in which direction and how far is he from the starting point ?
    (a) 7 km, West
    (b) 7 km, East
    (c) 5 km, West
    (d) 5 km, North-East

(Q. 34-35) Study the following information carefully and answer the questions :

Point D is 14 meters West of Point A. Point B is 4 meters South of Point D. Point F is 9 meters South of Point D. Point E is 7 meters East of Point B. Point C is 4 meters North of Point E. Point G is 4 meters South of Point A.

34. Which of the following points are in a straight line ?
    (a) D, E, A
    (b) E, G, C
    (c) D, B, G
    (d) E, G, B

35. What is the direction of Point A with respect to Point C ?
    (a) East
    (b) West
    (c) North
    (d) South

36. In a certain code language '123' means 'bright little boy', '145' means 'take big boy' and '637' means 'beautiful little flower'. Which digit in that language means 'bright' ?
    (a) 1
    (b) 2
    (c) 3
    (d) 4

37. A family has a man, his wife, their four sons and their wives. The family of every son also has 3 sons and one daughter. Find out the total number of male members in the whole family.
    (a) 4
    (b) 8
    (c) 12
    (d) 17

38. If 'P + Q' means 'P is the father of Q'; 'P × Q' means 'P is the brother of Q'; 'P − Q' means 'P is the mother of Q',

then which of the following is definitely true about C − A + B ?
    (a) B is the son of A
    (b) A is the son of C
    (c) B is the father of A
    (d) C is the mother of B

(Q.39-42) Study the following information carefully and answer the questions given below :

All the roads of a city are either perpendicular or parallel to one another. The roads are all straight. Roads A, B, C, D and E are parallel to one another. Roads G, H, I, J, K, L and M are parallel to one another.

    (I)   Road A is 1 km east of road B.
    (II) Road B is $\frac{1}{2}$ km west of road C.
    (III) Road D is 1 km west of road E.
    (IV) Road G is $\frac{1}{2}$ km south of road H.
    (V)   Road I is 1 km north of road J.
    (VI) Road K is $\frac{1}{2}$ km north of road L.
    (VII) Road K is 1 km south of road M.

39. Which is necessarily true ?
    (a) E and B intersect
    (b) D is 2 km west of B
    (c) D is at least 2 km west of A
    (d) M is 1.5 km north of L

40. If road E is between B and C, then distance between A and D is :
    (a) $\frac{1}{2}$ km
    (b) 1 km
    (c) 1.5 km
    (d) 1.5 to 2 km

41. Which of the following possibilities would make the roads coincide ?
    (a) L is $\frac{1}{2}$ km north of I
    (b) C is 1 km west of D
    (c) I is $\frac{1}{2}$ km north of K
    (d) E and B are $\frac{1}{2}$ km apart

42. If K is parallel to I and K is $\frac{1}{2}$ km south of J and 1 km north of G, which two roads would be $\frac{1}{2}$ km apart ?
    (a) I and K
    (b) J and G
    (c) I and G
    (d) M and J

(Q.43-44) Read the following information carefully and answer the questions given below it :

Alka is older than Mala. Gopal is older than Mala but younger than Alka. Kapil is younger than Ram and Mala. Mala is older than Ram.

43. Whose age is between Gopal and Ram?
    (a) Mala
    (b) Kapil
    (c) Alka
    (d) None of these

44. Whose age is between Mala and Kapil?
    (a) Gopal
    (b) Ram
    (c) Alka
    (d) None of these

(Q. 45-46) Some statements followed by some conclusions are given below in each of the question. You are required to check the validity of each of the conclusion on the basis of the given statements and to mark your answer choice accordingly.

    (a) If only Conclusion I follows
    (b) If only Conclusion II follows
    (c) If either I or II follows
    (d) If both I and II follow

45. Statements :
    (I) Some squares are circles.
    (II) No circle is a triangle.
    (III) No line is a square.
    Conclusions :
    (I) All squares can never be triangles.
    (II) Some lines are circles.
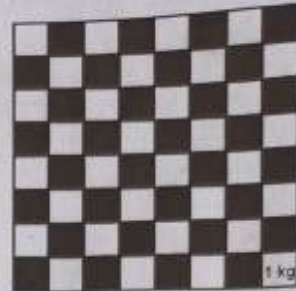
46 Statements :
    (I) All songs are poems.
    (II) All poems are rhymes.
    (III) No rhyme is a paragraph.
    Conclusions :
    (I) No song is a paragraph.
    (II) No poem is a paragraph.

47. There is a standard 8 × 8 chess-board. Each of its 64 square is assigned a weight. These weights are assigned in such a manner that the weight of a square is an average of the weight of the square that it is surrounded by. If the weight assigned to the rightmost bottom corner square is 1 kg. Then, what is the heaviest weight assigned among these blocks?

    (a) 3 kg
    (b) 5 kg
    (c) 8 kg
    (d) 1 kg

48. If the positions corresponding to the multiples of 5 in the English alphabet are replaced by symbols and that of multiples of 7 by digits, how many alphabets will be left?
    (a) 15
    (b) 17
    (c) 18
    (d) 21

49. In the following series of letters, some definite order determines, which of the next two letters in the correct order?
    A J K T U B I L S V C H M R W D G N Q
    X E F O ? ?
    (a) PY
    (b) PZ
    (c) YZ
    (d) ZA

50. Unscramble the letters in the given words and find the odd one out :
    (a) EIWNTR
    (b) UMRSME
    (c) PIGRSN
    (d) LCUOD

51. In the numbers from 100 to 1000, how many times digit 1 comes at the ten's place?
    (a) 9
    (b) 10
    (c) 90
    (d) 900

Computer and Internet Awareness

52. Whenever the data is found in the cache memory it is called as _____.
    (a) HIT
    (b) MISS
    (c) FOUND
    (d) ERROR

53. A program that reads each of the instructions in mnemonic form and translates it into the machine-language equivalent is called :
    (a) Machine language
    (b) Assembler
    (c) Interpreter
    (d) C program

54. What does USB stand for ?
    (a) Universal Signal Board
    (b) Universal Signal Bus
    (c) Universal Serial Bus
    (d) Universal Serial Board

55. Convert the binary equivalent 10101 to its decimal equivalent :
    (a) 21
    (b) 12
    (c) 22
    (d) 31

56. A _____ is a diagram that depicts the flow of a program.
    (a) Algorithm
    (b) Hash Table
    (c) Graph
    (d) Flowchart

57. Which of the following shortcut key is used to stop the slide show in PowerPoint ?
    (a) Esc key
    (b) Ctrl + O
    (c) Ctrl + N
    (d) Ctrl + K

58. Which of the following is the shortcut key to insert a new slide between the current PowerPoint presentations ?
    (a) Ctrl + N
    (b) Ctrl + K
    (c) Ctrl + M
    (d) Ctrl + O

59. You can convert existing Excel worksheet data and charts to an HTML document by using :
    (a) FTP wizard
    (b) Internet assistant wizard
    (c) Intranet wizard
    (d) Import wizard

60. Which of the cell pointer indicates you that you can make selection in Excel ?
    (a) Doctor's symbol (Big Plus)
    (b) Small thin plus icon
    (c) Mouse Pointer with anchor at the tip
    (d) None of these

61. What is landscape ?
    (a) Page Orientation
    (b) Paper Size
    (c) A Font Style
    (d) Page Layout

62. What shortcut key is used to split a table in MS Word in Windows ?
    (a) Ctrl + Shift + Enter
    (b) Alt + Space + Enter
    (c) Ctrl + Alt + Enter
    (d) Alt + Shift + Enter

63. A cookie :
    (a) Stores information about the user's web activity
    (b) Stores software developed by the user
    (c) Stores the password of the user
    (d) Stores the commands used by the user

64. A network that is connected to the Internet, but uses encryption to scramble all the data sent through the internet is called :
    (a) My Network
    (b) Virtual Private Network
    (c) Social Network
    (d) Internet Service Provider

65. You can merge the main document with data source in Excel. In mail merge operation, Word is usually :
    (a) Server
    (b) Source
    (c) Client
    (d) None of these

66. The keys from F1 to F12 are called :
    (a) Toggle keys
    (b) Function keys
    (c) Cursor control keys
    (d) Alphanumeric keys

67. A computer monitor is also called :
    (a) VDU
    (b) VDT
    (c) CRT
    (d) VDO

68. Fastest memory is :
   (a) RAM
   (b) ROM
   (c) Cache memory
   (d) CPU

69. MICR stands for :
   (a) Magnetic Ink Character Register
   (b) Magnetic Ink Code Reader
   (c) Magnetic Ink Character Recognition
   (d) Magnetic Ink Code Register

70. _____ allows you to connect and login to a remote computer.
   (a) Telnet
   (b) FTP
   (c) HTTP
   (d) SMTP

71. The process of locating and fixing an error in a computer program is known as :
   (a) Compiling
   (b) De-Bugging
   (c) Bugging
   (d) Assembling

72. Unsolicited Commercial E-Mail (UCE) is known as :
   (a) Spam
   (b) Malware
   (c) Virus
   (d) Spyware

Current Affairs

73. Annual growth of industry sector at constant prices for 2021-22 (1st RE) was 10.3% for India. What was the rate of growth of industry sector for Odisha in same period ?
   (a) 9.1%
   (b) 10.1%
   (c) 11.1%
   (d) 12.1%

74. Where will the next FIH Men's Hockey World Cup be held ?
   (a) Belgium and Netherlands
   (b) Japan and South Korea
   (c) South Africa
   (d) Argentina

75. Which of the following teams won highest number of medals in Khelo India Games, 2022 hosted by M.P. in Jan-Feb, 2023 ?
   (a) Maharashtra
   (b) Haryana
   (c) M.P.
   (d) Odisha

76. Madhusmita Jena successfully ran Manchester Marathon in April 2023. What clothing did she wear during her Marathon run ?
   (a) Track Suit
   (b) Sambalpuri saree
   (c) Bomkai saree
   (d) Dongaria saree

77. Which among the following is not a "Biodiversity Heritage Site" of Odisha ?
   (a) Gandhmardan Hill
   (b) Deomali Hill
   (c) Mandasaru
   (d) Mahendragiri Hill

78. Who won ICC's Women's T20 World Cup 2023 ?
   (a) India
   (b) Australia
   (c) South Africa
   (d) England

79. Which is the first Greenfield Airport of India ?
   (a) Shivamogga Airport
   (b) Maharaja Agrasen Airport, Hisar
   (c) Chatrapati Sambhajinagar Airport, Aurangabad
   (d) Donyi Polo Airport, Itanagar

80. Which country won highest number of medals at 2022 Winter Olympics ?
   (a) Germany
   (b) Norway
   (c) US
   (d) China

81. Who was elected Speaker of US House of Representatives in January 2023, after record 15th attempt ?
   (a) Nancy Pelosi
   (b) Kevin McCarthy
   (c) Paul Ryan
   (d) John Boehner

82. Which country was admitted to NATO on 4th April, 2023 ?
   (a) Finland
   (b) Sweden
   (c) Norway
   (d) Switzerland

83. Who was the top state of India in NFSA (National Food Security Act) Index 2022 (published by Ministry of Consumer Affairs, Food and Public Distribution, Government of India) ?
   (a) Odisha
   (b) Uttar Pradesh
   (c) Andhra Pradesh
   (d) Gujarat

84. Indian Economy grew at rate of 8.7% in 2021-22. At what rate did Odisha Economy grow during this period ?
   (a) 8.5%
   (b) 9.5%
   (c) 10.5%
   (d) 11.5%

85. 68th National Film Awards were presented on 30 September, 2022. Which film received Swarna Kamal for "Best Feature Film" ?
   (a) Soorarai Pottru
   (b) Marakkar Pottru
   (c) Hellaro
   (d) Kashmir Files

86. Who is the present Chairperson of Odisha Human Right's Commission ?
   (a) Justice Raghubir Das
   (b) Justice Bimal Prasad Das
   (c) Justice B.K Patel
   (d) Justice Shatrughana Pujari

87. Recent (April 2023) armed clashes in Sudan were between which groups ?
   (a) Sudanese Army and Para Military RSF
   (b) Sudanese Army and people demanding restoration of democracy
   (c) Sudanese Army and Army of South Sudan
   (d) None of these

88. 68th National Film Awards were presented on 30 September, 2022. Which film received Swarna Kamal for "Best Children's Film" ?
   (a) Sumi
   (b) Kastoori
   (c) Chillar Party
   (d) I Am Kalam

89. As per recent judgement of Supreme Court of India, (Anoop Barnwal vs Union of India) till a Legislation by Parliament, appointment of EC / CEC will be done by President on advice of a Committee. Who among the following would not be a Member of the said Committee ?
   (a) Prime Minister
   (b) Leader of opposition in Lok Sabha
   (c) Leader of opposition in Rajya Sabha
   (d) Chief Justice of India

90. Which of the following is not a recent Policy initiatives of Odisha Government in the crop sector ?
   (a) Odisha Mushroom Mission
   (b) Odisha Spices Mission
   (c) Odisha Jackfruit Mission
   (d) Odisha Banana Mission

Data Interpretation

(Q. 91-92) Study the following table to answer the questions that follow :

Years / Countries	Production of cars (in thousands)	
	2013	2014
India	700	760
USA	900	940
China	1760	1860
Japan	1500	1580
Italy	1160	1218

91. Find in which country, the production of cars has increased by less than 5% in 2014 over 2013 ?
   (a) USA
   (b) China
   (c) Japan
   (d) Italy

92. What is the ratio between the production of cars by India in 2013 to the production of cars by Japan in 2014 ?
   (a) 35 : 77
   (b) 77 : 37
   (c) 35 : 79
   (d) 79 : 80

93. Find the average number of books sold every year during the period 2010-2013 :

Years	Number of books
2010	1100
2011	1250
2012	1390
2013	1500

   (a) 1210
   (b) 1310
   (c) 1410
   (d) 1411

94.. Find the percentage increase in number of books sold in 2013 compared to 2010 :
(a) 45.45%
(b) 32.32%
(c) 36.36%
(d) 44.44%

95. There are 55 students in a class and the following table shows the number of students and their respective weights :

Number of students	Weights (in kg)
7	62
3	63
15	67
13	70
6	80
9	75
2	95

Find the average weight of all the 55 students.
(a) 72.6 kg
(b) 74.6 kg
(c) 71.4 kg
(d) 70.6 kg

96. The following table shows the marks obtained by two students in different subjects :

Subject	Student A	Maximum Marks	Student B	Maximum Marks
English	60	100	80	150
Psychology	70	100	70	100
History	50	100	60	100
Sanskrit	30	50	15	25

The difference in aggregate percentage marks of the two students is :
(a) 2.5%
(b) 13.75%
(c) 1.25%
(d) 0%

97. Consider the following information regarding the performance of a class of thousand students in four different texts :

Marks / Texts	Average Marks	Range of Marks
I	60	30 – 90
II	60	45 – 75
III	70	20 – 100
IV	80	0 – 100

If a student score 74 marks in each of the four texts, then in which one of the following text his performance is comparatively better ?
(a) Text I
(b) Text II
(c) Text III
(d) Text IV

(Q. 98-100) In the following table, production of rice of the different states UP, AP and Punjab over the years 2006 -2009 is shown.Study the table carefully and answer the questions given below :

Production of rice (in tons)				
State / Years	2006	2007	2008	2009
UP	5.6	3.7	4.6	7.3
AP	4.7	5.2	8.0	6.5
Punjab	3.8	7.4	5.9	3.1

98. What is the difference between the total production of rice (in tons) in all the three states (UP, AP and Punjab) together in 2006 and 2008 respectively ?
(a) 5.4
(b) 4.8
(c) 5.1
(d) 4.4

99. What is the average production of rice (in tons) of Punjab state for all the years together ?
(a) 4.95 tons
(b) 5.05 tons
(c) 5 tons
(d) 4.6 tons

100. What is the percentage increase in the production of rice in the state AP in the year 2009 in comparison with year 2007 ?
(a) 70%
(b) 40%
(c) 55%
(d) 25%

(Q. 101-105) Refer to the following tables and answer the questions given below :

	P
Godowns	Quantity available
1	150
2	220
3	190

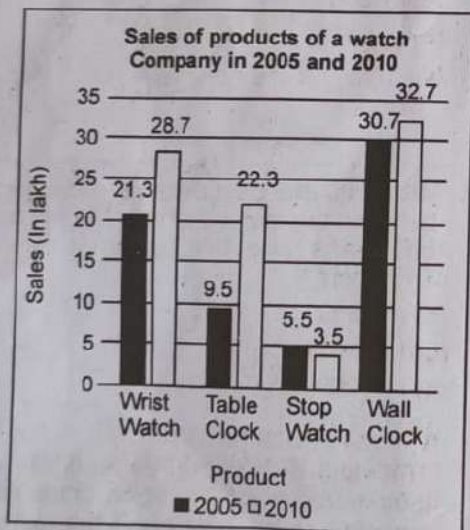109. If the total amount of expenditure of the company is N times the expenditure on Transport, then the value of N is :
   (a)   5
   (b)   8
   (c)   20
   (d)   27

110. If the Interest on Loan amounts to Rs. 2.8 crores, then the total amount of expenditure on Advertisement, Taxes and Research and Development is :
   (a)   Rs. 2.4 crore
   (b)   Rs. 4.8 crore
   (c)   Rs. 5.4 crore
   (d)   Rs. 7 crore

(Q. 111-115) A watch company produces 4 different products. The sale of these products (in lakhs) during 2005 and 2010 are shown in the following bar graph. Study the graph and answer the questions :

Sales of products of a watch Company in 2005 and 2010

111. By what percentage (approximately) was, the sales of Wrist watch in 2010 more than the sales of Table clock in 2010 ?
   (a)   26.7%
   (b)   27.7%
   (c)   28.7%
   (d)   21.7%

112. The ratio of sales of Stop watch in 2010 to the sales of Table clock in 2005 is :
   (a)   6 : 19
   (b)   7 : 6
   (c)   19 : 6
   (d)   7 : 19

113. By what percentage (approximately) was, the sales of Table clock in 2005, less than the sales of Wall clock in 2005 ?
   (a)   70.05%
   (b)   69.05%
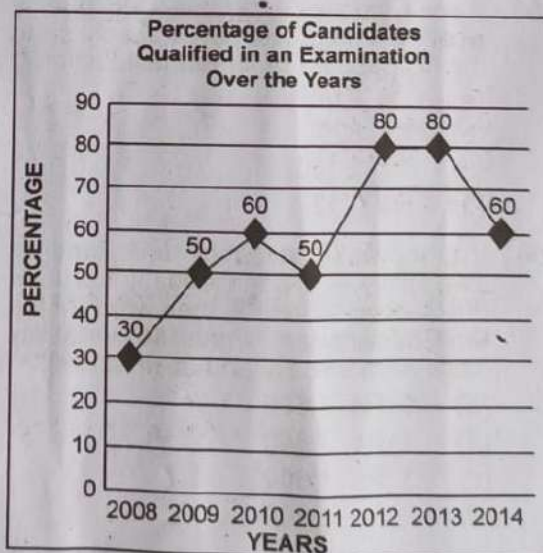   (c)   68.05%
   (d)   62.05%

114. During the period 2005-2010, the minimum rate of change in sales is in the product of :
   (a)   Wrist watch
   (b)   Table clock
   (c)   Stop watch
   (d)   Wall clock

115. The sales have increased /decreased by nearly 135% from 2005 to 2010 in :
   (a)   Table clock
   (b)   Wrist watch
   (c)   Stop watch
   (d)   Wall clock

(Q. 116-120) The following line graph gives the percentage of the number of candidates who qualified in examination out of the total number of candidates who appeared for the examination over a period of seven years from 2008-2014 :

Percentage of Candidates Qualified in an Examination Over the Years

116. The difference between the percentage of candidates qualified, was maximum in which of the following pair of years ?
   (a)   2008 and 2013
   (b)   2011 and 2012
   (c)   2012 and 2013
   (d)   2013 and 2014

Contd.

117. In which pair of years was the number of candidates qualified the same ?
   (a) 2009 and 2011
   (b) 2009 and 2014
   (c) 2012 and 2013
   (d) Data inadequate

118. If the number of candidates qualified in 2012 was 21200, what was the number of candidates appeared in 2012 ?
   (a) 32000
   (b) 28500
   (c) 26500
   (d) 25000

119. If the total number of candidates appeared in 2010 and 2011 together was 47400, then the total number of candidates qualified in these two years together was :
   (a) 34700
   (b) 32100
   (c) 31500
   (d) Data inadequate

120. The total number of candidates qualified in 2013 and 2014 together was 33500 and the number of candidates appeared in 2013 was 26500. What was the number of candidates appeared in 2014 ?
   (a) 24500
   (b) 22000
   (c) 20500
   (d) 19000

Arithmetic

121. Sunil covered a certain distance at some speed. Had he moved 3 kmph faster, he would have taken 20 minutes less. If he had moved 2 kmph slower, he would have taken 20 minutes more. The distance (in km) is :
   (a) 20
   (b) $26\frac{2}{3}$
   (c) $15\frac{1}{2}$
   (d) 30

122. A student gets 4 marks for a correct answer and 1 mark is deducted for a wrong answer. If she has attempted 80 questions and she has got 240 marks, the number of questions she did wrong were :
   (a) 21
   (b) 24
   (c) 16
   (d) None of these

123. A Milkman's vessel is filled with liquid, 4 parts of which are water and 5 parts milk. How much of the mixture must be drawn off and replaced with water so that the mixture may be half water and half milk ?
   (a) $\frac{1}{3}$
   (b) $\frac{1}{4}$
   (c) $\frac{1}{5}$
   (d) $\frac{1}{10}$

124. $(1296)^{0.16} \times (1296)^{0.09} = ?$
   (a) 256
   (b) 316
   (c) 6
   (d) 8

125. The value of $\dfrac{978.1375 \times 0.0497 \times 1.956}{0.0866 \times 92.781 \times 99.739}$ is closest to :
   (a) 0.117
   (b) 1.17
   (c) 11.7
   (d) 117

126. A number when divided by 12 leaves remainder 4. When the square of the number is divided by 16, the remainder is :
   (a) 0
   (b) 13
   (c) 11
   (d) 4

127. A boat having a length 2.5 m and breadth 2 m is floating on a pond. The boat sinks by 2 cm when Siddharth gets on it. Assuming density of water being 1g/cm³ the mass of Siddharth is :
   (a) 80 kg
   (b) 85 kg
   (c) 100 kg
   (d) 93 kg