

WBCS 2020 Prelims Mock Test [December- Full Syllabus]

1. "Preamble of our Constitution is of extreme importance and the Constitution should be read and interpreted in the light of the grand and noble vision expressed in the preamble". Justice Sikri expressed the above opinion in the case of:
a. Kerala education bill
b. A.K. Gopalan vs state of Madras
c. Berubari Union Case
d. Keshvananda Bharti vs state of Kerala
2. The framers of Constitution borrowed the concept of directive principles from
a. Government of India Act 1935
b. Constitution of Ireland
c. Constitution of Switzerland
d. Constitution of USA
3. Fundamental duties are enshrined in
a. Part 4, Article 51
b. Part 4A, Article 51A
c. Part 4, Article 51A
d. Part 4A, Article 51A
4. The Parliament of India consists of
a. Lok Sabha and Rajya Sabha
b. Lok Sabha and Vidhan Sabha
c. Lok Sabha, Rajya Sabha and the President
d. Lok Sabha, Rajya Sabha and the Prime Minister
5. 10th schedule of the Constitution deals with
a. Defections
b. The Election Commission
c. The Finance Commission
d. Other Backward Classes
6. The first session of the constituent assembly was held on
a. 15th August 1947
b. 26th January 1946
c. 9th December 1946
d. 26th November 1949
7. The Constitution of India was adopted by the constituent assembly on:
a. 15th August 1947
b. 25th August 1949
c. 26 November 1947
d. 26 January 1950
8. Which of the following sought to change the character of Indian Government from unitary to federal?
a. Indian Council Act, 1909
b. Government of India Act, 1935
c. Government of India Act, 1919
d. Indian Independence Act, 1947
9. Which of the following was not one of the features of Government of India Act, 1935?
a. Bicameral legislature
b. Dyarchy of centre and the provinces
c. Provincial autonomy
d. All India Federation
10. The Government of India Act, 1935 vested the residuary power in the
a. British Parliament
b. State Legislature
c. Federal Legislature
d. Governor-General
11. "Directive Principles of State Policy are the conscience of the Constitution which embody the social philosophy of the Constitution" was opined by:-
a. Dr. B.R. Ambedkar
b. A.V. Dicey
c. Granville Austin
d. K.L. Wheare
12. In the Preamble of the Constitution of India the word 'Secular' was incorporated by
a. 1st Amendment of the Constitution of India
b. 15th Amendment of the Constitution of India
c. 27th Amendment of the Constitution of India
d. 42nd Amendment of the Constitution of India
13. What is the chief source of political power in India?
a. The People
b. The Constitution
c. The Parliament
d. None of these
14. In which part of the Constitution the concept of welfare state is elaborated
a. Preamble
b. Fundamental Rights
c. Fundamental Duties
d. Directive Principles of State Policy
15. Who, among the following was the chairperson of the Drafting Committee set by the Constituent Assembly?
a. Jawaharlal Nehru
b. Dr. Rajendra Prasad
c. Dr. B.R. Ambedkar
d. None of these

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16. Which of the following was the biggest source for the Constitution of India?
a. The Government of India Act, 1919
b. The Government of India Act, 1935
c. The Indian Independence Act, 1947
d. None of these
17. The Preamble to the Constitution declares India as:-
a. A Sovereign, Democratic, Republic
b. A Socialist, Democratic, Republic
c. a Sovereign, Socialist, Secular, Democratic, Republic
d. a Federal, Democratic, Republic
18. Which part of the Constitution directs the States to establish Panchayati Raj Institutions in the country?
a. The Preamble
b. The Directive Principles of State Policy
c. The Fundamental Rights
d. None of the above
19. Equal pay for equal work for both men and women is a:-
a. Directive Principle of State Policy
b. Statutory Provision in labour Law
c. Fundamental Right
d. None of the above
20. Which amendment of the Constitution reduced the voting age from 21 to 18 years?
a. 60th
b. 61st
c. 62nd
d. 63rd
21. What does the term 'sovereign' imply?
a. Free from external control
b. Free from internal control
c. Free from territorial disputes
d. Free from control by any international body
22. In India the Federal Court was constituted by an act of:-
a. 1891
b. 1909
c. 1919
d. 1935
23. Which one of the following Directive Principles is non-Gandhian ?
a. Promotion of cottage industries in rural areas.
b. Prohibition of the use of intoxicants except for the medicinal purposes.
c. Prevention of slaughter of cows, calves and other milch cattle.
d. Provision of free and compulsory education for all the children upto the age of fourteen years.
24. Indian Legislature became "bicameral" through which of the following?
a. The Morley-Minto Reforms
b. Montague-Chelmsford Reforms
c. Government of India Act, 1935
d. Indian Councils Act, 1892
25. Who was the first Chief Election Commissioner of India?
a. Kalyan Sundaram
b. S.P. Sen Verma
c. Sukumar Sen
d. T. Swaminathan
26. What is the Capital and Currency of Ethiopia?
a. Cairo And Pound
b. Addis Ababa And Birr
c. Asmara And Nakfa
d. Gitega And Franc
27. The Indian Space Research Organisation (ISRO) has launched how many foreign satellites along with its radar imaging earth observation satellite, RISAT-2BR1 through PSLV-C48?
a. 7
b. 9
c. 71
d. 21
28. Who won the London Chess Classic 2019?
a. Carlsen Magnus
b. R. Praggnanandhaa
c. Anish Giri
d. Vishwanathan Anand
29. Which city has been selected as the world's leading Sports tourism Destination at the 26th edition of the World Travel Awards (WTA)?
a. Jakarta, Indonesia
b. Tokyo, Japan
c. Melbourne, Australia
d. Abu Dhabi, UAE



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45. The Election Commission of India has decided to implement the PPRMS for political parties. What does 'S' stand for in PPRMS?
a. System b. Symbol c. Section d. Sector
46. G20 foreign ministers meeting 2019 was held in which of the following cities?
a. London, England b. Nagoya, Japan c. Washington D C, USA d. Paris, France
47. Who among the following has been elected as the new President of the Asian Development Bank (ADB)?
a. Taro Aso b. Masatsugu Asakawa c. Hong Nam-ki d. MulyaniIndrawati
48. The 24th session of the Conference of the States Parties to the Chemical Weapons Convention (CWC) was held in which place from 25th to 29th November, 2019?
a. Vienna, Austria b. Geneva, Switzerland c. The Hague, Netherlands d. Berlin, Germany
49. Who was the chairperson of the Inter-Ministerial Approval Committee(IMAC) that approved Rs 271 crores worth project under Creation/Expansion of Food Processing and Preservation Capacities (CEFPPC) scheme?
a. Narendra Modi b. Harsimrat Kaur Badal c. Ravi Shankar Prasad d. Hardeep Singh Puri
50. Which of the following organizations has approved second tranche of loan of \$150 million for West Bengal to boost capital investment and infrastructure in the state?
a. World Bank b. International Monetary Fund (IMF)
c. Asian Infrastructure Investment Bank (AIIB) d. Asian Development Bank (ADB)
51. With their wealth, their reforming zeal and their nationalism the Tagores were preposterously.
a. Competent b. Accomplished c. Proficient d. Clever
52. To show off ___
a. To enact b. To effect c. To affect d. To actuate
53. An idle brain is the devil's workshop
a. Careless b. Slack c. Inactive d. Dull
54. The press, he believed was invading his privacy.
a. Penetrating b. Encroaching c. Permeating d. Challenging
55. This hard-won liberty was not to be frivolously abandoned.
a. Impatiently b. Lightly c. Seriously d. Cursorily
56. The food did not agree with me and I fell sick.
(a) Decide by mutual consent (b) Approve of or consent to
(c) Hold similar opinion (d) Suit
57. He decided to open up to the police and tell them everything.
a) Emerge b) Develop c) Talk Frankly d) Start business
58. Rises in prices, but not in wages seem to be the order of the day.
a. The exception b) Customary c) Unusual d) The trend
59. His sincerity was never in question
a) Goodness b) Honesty c) Virtue d) Courtesy
60. Ram made the most — his resources.
a. at b. of c. from d. with

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61. He preferred classical music _____ popular numbers.
(A) from (B) of (C) over (D) to
62. He has a preference _____ tea _____ coffee
(a) over, for (b) for, to (c) for, over (d) to, over
63. It is 9'o clock _____ my watch
(a) by (b) in (c) at (d) into
64. She was running short _____ time.
(a) at (b) of (c) with (d) for
65. He was waiting _____ the train.
(a) in (b) at (c) for (d) on
66. He saved her _____ certain death.
(a) from (b) with (c) of (d) in
67. He hinted _____ some loss treasure.
(a) of (b) for (c) with (d) at
68. Here is the watch _____ you asked _____.
(a) which, for (b) that, for (c) for, from (d) this, for
69. He is _____ the phone right now.
(a) at (b) in (c) On (d) to
70. He held his breath _____ several minutes.
(a) on (b) of (c) for (d) in
71. I have no desire _____ fame.
(a) of (b) for (c) in (d) to
72. There is an exception _____ every rule.
(a) to (b) For (c) In (d) up
73. I am going to Chennai _____ Monday _____ tour
(a) On, of (b) On, on (c) In, with (d) Of, on
74. He sympathized _____ him in his bereavement.
(a) In (b) For (c) With (d) by
75. He succeeded by the dint _____ his hard labour.
(a) of (b) by (c) for (d) because
76. If A and B complete a job working together in 20 days, B and C together in 15 days and C and A in 12 days, all three working together will be able to complete the same job in,
a. 9 days b. 10 days c. 10.5 days d. 6 days
77. A clock is started at noon. By 10 minutes past 5, the hour hand has turned through an angle of
a. 155° b. 145° c. 150° d. 160°

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78. The difference between the squares of two consecutive even integers is always divisible by,
a. 3 b. 4 c. 6 d. 7
79. A man bought 4 trousers at Rs.750 each, 4 shirts at Rs.450 each and 12 pairs of shoes at Rs.750 each. What is the average expenditure per item?
a. Rs.900 b. Rs.1000 c. Rs.690 d. Rs.800
80. If P is 50% of Q and Q is 50% of R then, P : Q : R is,
a. 4 : 2 : 1 b. 1 : 2 : 4 c. 2 : 1 : 4 d. 1 : 4 : 2
81. Two trains, each 100m long and moving in opposite directions, cross each other in 8 secs. If one is moving twice as fast as the other, the speed of the faster train is,
a. 60km/hr b. 70km/hr c. 50km/hr d. 40km/hr
82. A policeman, while running to catch a thief, is 114m behind the thief. The policeman runs 21m and the thief runs 15m every minute. In what time will the policeman catch the thief?
a. 18 minutes b. 16 minutes c. 19 minutes d. 17 minutes
83. The least number of square tiles required to pave the floor of a room 15m 17cm long and 9m 2cm broad is,
a. 814 b. 902 c. 738 d. 656
84. By selling an item for Rs.350 instead of Rs.400, the percentage loss increases by 5%. The cost price of the item is,
a. Rs.1050 b. Rs.1000 c. Rs.433 d. Rs.417.50
85. The average of the first 100 natural numbers is,
a. 50.5 b. 51 c. 50 d. 51.5
86. The product of two numbers is 1575 and their division is 7/9. The two numbers then are,
a. 45, 35 b. 36, 35 c. 35, 27 d. 81, 63
87. Area of a square field is 6050 sq m. What is the length of the diagonal?
a. 110m b. 120m c. 135m d. 112m
88. What number should come next in the sequence, 6, 18, 72, 360, 2160...?
a. 15120 b. 12120 c. 13120 d. 14120
89. Which of the following fractions is the largest?
a. 7/8 b. 63/80 c. 31/40 d. 13/16
90. Two trains running in opposite direction cross a man standing on the platform in 27 secs and 17 secs respectively and they cross each other in 23 secs. The ratio of their speeds is,
a. 1 : 3 b. 3 : 2 c. 2 : 3 d. 3 : 4
91. HCF of 12/13 and 3/5 is,
a. 3 b. 12 c. 12/65 d. 3/65
92. Which pair of numbers should come next in the sequence, 9 12 11 14 13 16 15...?
a. 18 21 b. 18 17 c. 17 18 d. 14 13
93. The compound interest on Rs. 2000 for two years at 8% per annum is,
a. Rs. 228.80 b. Rs. 232.80 c. Rs. 532.80 d. Rs. 332.80



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94. A man gains 10% by selling an article at a certain price. If he sells it at double the price, the profit made is,
a. 60% b. 20% c. 100% d. 120%
95. When 40% of a number is added to 42, the result is the number itself. The number is,
a. 72 b. 70 c. 82 d. 105
96. The speed of a train 150m long is 50km/h. How much time will it take to pass a platform 600m long?
a. 64 sec b. 60 sec c. 50 sec d. 54 sec
97. The population of a town increases annually by 5% . If it is 15435 now, the population two years ago was,
a. 13700 b. 14000 c. 15000 d. 14800
98. What number should come next in the sequence, 4, 5, 7, 10, 11, 13, 16, —?
a. 21 b. 19 c. 18 d. 17
99. The perfect square number of least value divisible by 3, 4, 5, 6, and 8 is,
a. 900 b. 3600 c. 1600 d. 1200
100. A water tank can be filled up by two pumps in 20 minutes and 30 minutes respectively. They were started together but due to some technical fault, the first pump stopped after some time and the second pump worked alone for the last 10 minutes. How long did they work together?
a. 4 minutes b. 8 minutes c. 10 minutes d. 6 minutes
101. With reference to the National Startup Awards, 2020, consider the following statements:
1. It is an initiative of NITI Aayog.
2. It seek to recognize outstanding startups and ecosystem enablers that are building innovative solutions and scalable enterprises, with high potential of employment generation.
Which of the statements given above is/are correct?
a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2
102. “Dharma Guardian-2019” is a military exercise between India and:
a. Japan b. U.S.A. c. France d. U.K.
103. The proposed Raigad refinery is located in which of the following states?
a. Maharashtra b. Madhya Pradesh c. Gujarat d. Odisha
104. With reference to the World AIDS Day 2019, consider the following statements:
1. It is observed on the 1st of December, every year, since 1988.
2. The Government has developed a seven-year National Strategic Plan from 2017 to 2024 to achieve the Sustainable Development Goal of ending AIDS as a public health threat by 2030.
Which of the statements given above is/are correct?
a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2
105. With reference to the Spike LR anti-tank guided missile (ATGM), consider the following statements:
1. It is a fourth-generation missile which can engage any target with precision at ranges up to 4 kilo metres.
2. It is indigenously developed by DRDO.
Which of the statements given above is/are correct?
a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2
106. What is INAS 314 - “RAPTORS”, recently seen in news?
a. Nuclear-Powered Ballistic Missile Submarine b. Sixth Dornier aircraft squadron
c. Guided-Missile Frigate Warship d. None of the above

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107. With reference to the National Capital Territory of Delhi (Recognition of Property Rights of Residents in Unauthorised Colonies) Bill, 2019, consider the following statements:

1. The Bill provides for recognising the property rights of residents of certain unauthorised colonies in the National Capital Territory of Delhi.
2. The residents will be required to pay certain charges to obtain such ownership.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

108. Which of the following is the largest freshwater lake in Northeast India?

- a. Loktak Lake b. Gurudongmar Lake c. Rudrasagar Lake d. Khecheopalri Lake

109. With reference to a study by researchers at the Public Health Foundation of India (PHFI) on antibiotic resistance, consider the following statements:

1. The private sector clocked high levels of antibiotic prescription rates (412 per 1,000 persons per year).
2. The highest rate was seen among children aged 0–4 years and the lowest in the age group 10–19 years.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

110. 'Katchatheevu Islands' often mentioned in news, are dispute between India and:

- a. Maldives b. Bangladesh c. Mauritius d. Sri Lanka

111. With reference to the Hornbill Festival held annually in Nagaland, consider the following statements:

1. The first festival was held in 2000.
2. The festival is named after the bird "Indian hornbill", which is displayed in the folklore of most of the state's tribes.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

112. With reference to the Defence Acquisition Council (DAC), consider the following statements:

1. Recently DAC accorded approval for indigenous design, development and manufacturing of 'Thermal Imaging Night Sights' for Assault Rifles.
2. The Prime Minister is the Chairman of the Council.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

113. Recently, researchers have unearthed well-preserved middle ear bones of 'Jeholbaatar kielanae', a new species of an extinct rodent from:

- a. China b. Mexico c. Egypt d. India

114. With reference to the Jnanpith Award, consider the following statements:

1. Eminent Malayalam poet Akkitham Achuthan Namboothiri has been chosen for the 55th Jnanpith Award.
2. It is bestowed only on Indian writers writing in Indian languages included in the Eighth Schedule to the Constitution of India and not in English.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

115. With reference to the National Awards for the Empowerment of Persons with Disabilities, consider the following statements:

1. These are conferred on Individuals, Institutions, Organizations, State/District etc for their outstanding achievements and work done towards empowerment of Persons with Disabilities every year.
2. All the 21 disabilities specified in the Rights of Persons with Disabilities Act, 2016 have been included under the National Award Guidelines.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

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116. With reference to the Operation Clean Art, consider the following statements:

1. It was the first pan India operation to crack down on the smuggling of mongoose hair in the country.
2. The mongoose is listed under Schedule I of the Wildlife Protection Act, 1972.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

117. Which of the following has been notified by the Assam government as the state aquatic animal of Assam?

- a. Gangetic Dolphin b. Ganges Shark c. Mugger Crocodile d. Dugong

118. "To develop the scientific temper, humanism and the spirit of inquiry and reform" is a provision made in the:

- a. Preamble of the Constitution b. DPSP c. Fundamental Duties d. Fundamental Rights

119. With reference to the Mission Indradhanush 2.0, consider the following statements:

1. The scheme is aimed at immunizing children under the age of 12 years and pregnant women against eight vaccine preventable diseases.
2. It covers vaccines for diphtheria, whooping cough, tetanus, poliomyelitis, tuberculosis, measles, meningitis and Hepatitis B.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

120. With reference to the End-to-end encryption, consider the following statements:

1. For doing End-to-end encryption, a program on the device mathematically generates two cryptographic keys — a public key and a private key.
2. End-to-end encryption ensures that no one can eavesdrop on the contents of a message while it is in transit.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

121. Power of Siberia is the first cross-border gas pipeline between Russia and:

- a. China b. France c. Ukraine d. India

122. With reference to the Prohibition of Electronic Cigarettes Bill, 2019, consider the following statements:

1. Any production, import, export, transport, sale (including online sale) or advertisement (including online advertisement) of e-cigarettes shall be a cognizable offence punishable.
2. Storage of electronic-cigarettes shall also be punishable with an imprisonment up to 6 months or fine up to Rs 50,000 or both.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

123. Joint training exercise 'HAND-IN-HAND 2019' is being held between Armies of India and:

- a. Sri Lanka b. Nepal c. U.S.A. d. China

124. With reference to the bullet train, consider the following statements:

1. At present, India has only one High Speed Railway (HSR).
2. National High-Speed Rail Corporation Limited (NHSRCL) is the body implementing the project.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

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125. With reference to the Anaemia, consider the following statements:

1. As per the government details, 29.8% of children in rural India suffer from moderate anaemia, and 40.3% of women in the villages are mildly anaemic.

2. In 2018, the union government launched the Anaemia Mukta Bharat (AMB) Strategy under POSHAN Abhiyaan to reduce anaemia prevalence by three percentage points every year till 2022.

Which of the statements given above is/are correct?

- a. 1 only b. 2 only c. Both 1 and 2 d. Neither 1 nor 2

126. The ratio of Velocity of hour's hand and minute's hand at a clock is:-

- a. 1 : 12 b. 12 : 1 c. 1 : 24 d. 24 : 1

127. If a square and a rectangle having the same perimeter and their areas are S and R respectively then

- a. $S = R$ b. $S > R$ c. $S < R$ d. None of the above

128. Babu have made 4% loss by selling 12 toffees at Rs. 5. How many toffees he would sell at Rs. 10 to get 28% profit ?

- a. 28 b. 18 c. 12 d. 9

129. The sum of all two digit numbers divisible by 5 is:

- a. 1035 b. 1245 c. 1230 d. 945

130. Two equations $3x + 6y = 15$ and $6x + 12y = 30$ have

- a. only one solution b. infinite number of solution c. no solution d. None of the above

131. A small owner took a loan of Rs.73000 from his friend. He repays principal along with interest Rs.73100 after 1 day. The rate of simple interest per annum is

- a. 10% b. 0.5% c. 5% d. 50%

132. If the length of shadow on the ground of a post is $\sqrt{3}$ times of its height, the angle of elevation of the Sun is

- a. 30° b. 45° c. 60° d. None of the above

133. The number of coconuts plucked from each tree is 1 more than the number of coconut trees in Anil's garden. The total number of coconut plucked is 132. The total number of coconut trees in the garden is

- a. 12 b. 22 c. 11 d. 33

134. It has been seen in a survey of a region that 70 persons read English newspaper, 73 persons read Bengali newspaper and 64 persons read both the papers. If 63 persons do not read any paper on how many people the survey has been done?

- a. 79 b. 142 c. 207 d. 143

135. Through the publicity of road safety programmes the street accident in a state has been decreased by 10% in comparison to its previous year. In the present year if the number of street accidents be 2187, the number of street accidents that had been in the state 3 years before is

- a. 4000 b. 2430 c. 3000 d. 1458

136. A hemisphere can with internal radius of 9 cm is completely filled with water. Someone is requested to fill this water in a cylindrical bottle with a diameter of 3 cm and height of 4 cm. The number of bottles to be required to make the can empty is

- a. 54 b. 128 c. 36 d. 256

137. Total expenses of a hostel are partly constant and partly vary directly as the number of boarders. When the number of boarders is 120 and 100 the total expenses are Rs. 2000 and Rs. 1700 respectively. Find the total number of boarders if the total expense is Rs. 1880.

- a. 200 b. 112 c. 138 d. 115

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138. Amal and Bimal started a business. Amal invested Rs. 500 for 9 months and Bimal invested some money for 6 months. If they make a profit of Rs. 69 in a year and Bimal gets profit share of Rs. 46. The capital of Bimal in the business is
a. Rs. 1500 b. Rs. 3000 c. Rs.4500 d. Rs. 6000
139. A, B and C entered into a partnership business by investing Rs. 64000, Rs. 52000 and Rs. 36000 respectively for a certain period of time. If A receives Rs. 35584 as annual profit, what amount will C receive as his share in the profit ?
a. Rs. 20016 b. Rs. 20632 c. Rs. 18296 d. Rs. 21084
140. The sum of digits of a two-digit number is 12. When the digits are interchanged, the resulting number is 36 more than original number. What is the original two-digit number ?
a. 93 b. 48 c. 39 d. 84
141. The sum of three consecutive multiples of 3 is 72. What is the largest number ?
a. 21 b. 24 c. 27 d. 36
142. The product of two numbers is 1320 and their H.C.F. is 6. The L.C.M. of number is
a. 220 b. 1314 c. 1326 d. 7920
143. A merchant has 1000 kg of sugar, part of which he sells at 8% profit and the rest at 18% profit. He gains 14% on the whole. The quantities sold at 18% profit is
a. 400 kg b. 560 kg c. 600 kg d. 640 kg
144. What is the smallest number to be subtracted from 549162 in order to make it a perfect square ?
a. 28 b. 36 c. 62 d. 81
145. In an examination it is required to get 310 at the aggregate marks to pass. A student gets 28% mark and is declared failed by 93 marks. What are the maximum aggregate marks a student can get ?
a. 685 b. 765 c. 775 d. 875
146. 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
147. What is the difference between the compound interests on Rs. 5000 for 112112 years at 4% per annum compounded yearly and half-yearly ?
a. Rs. 2.04 b. Rs. 3.06 c. Rs. 4.08 d. Rs. 8.30
148. A trader mixes three varieties of groundnuts costing Rs. 50, Rs. 20 and Rs. 30 per kg. in the ratio 2 : 4 : 3 in terms of weight and sells the mixture at Rs. 33 per kg. What percentage of profit does he make ?
a. 8% b. 9% c. 10% d. None of the above
149. If the edge of a cube is increased by 25% then percentage increase in its surface area is
a. 25% b. 48.75% c. 50% d. 56.25%
150. A river 1.5 m deep and 36 m wide is flowing at the rate of 3.5 km per hour. The amount of water that runs into the sea per minute (in cubic meter) is
a. 3150 b. 31500 c. 6300 d. 63000