

MIZORAM PUBLIC SERVICE COMMISSION

GENERAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF ASSISTANT UNDER DP & AR (SSW), GOVERNMENT OF MIZORAM, 2018

PAPER - II

{ Section A - General Knowledge - 75 Marks }
{ Section B - Simple Arithmetic - 50 Marks }

Time Allowed : 3 hours

Full Marks : 125

All questions carry equal marks of 1 each.

Attempt all questions.

SECTION - A

(General Knowledge - 75 Marks)

- Human Rights Day is internationally observed on
 - 10th October
 - 10th November
 - 10th December
 - 10th January
- Which country becomes the first to end FM radio broadcasting?
 - South Africa
 - Brazil
 - Ecuador
 - Norway
- Which internet web portal change its name to Altaba Inc?
 - Google
 - Yahoo
 - MSN
 - Twitter
- Who was the chief guest of the Official ceremony in the Republic Day in 2018?
 - President of China
 - President of France
 - King of Qatar
 - Heads of ASEAN States
- Who is the winner of Australian Open Men's Single 2018?
 - Novak Djokovic
 - Rafael Nadal
 - Roger Federer
 - Andy Murray
- Which film wins the Best Film Award in 2018 Oscars?
 - Moonlight
 - Call me by your name
 - The shape of water
 - Darkest hour
- India's longest tunnel, the Chenani-Nashri Tunnel is located in
 - Himachal Pradesh
 - Tamil Nadu
 - Jammu and Kashmir
 - Karnataka

8. Which of the following city is declared as the cleanest city in India under the Swachh Sarvekshan-2017?
- (a) Bhopal (b) Gonda
(c) Indore (d) Surat
9. Which is the most crowded city in the world according to World Economic Forum?
- (a) Dhaka (b) Mumbai
(c) Singapore (d) Manila
10. India's first private railway station, the Habibganj Railway Station' is located in
- (a) Madhya Pradesh (b) Uttar Pradesh
(c) Bihar (d) Odhisa
11. Ram Nath Kovind is the _____ President of India
- (a) 10th (b) 12th
(c) 14th (d) 16th
12. Which one is declared as India's first World Heritage City?
- (a) Delhi (b) Ahmedabad
(c) Pune (d) Jaipur
13. The 2017 BRICS summit was hosted by
- (a) India (b) Brazil
(c) China (d) South Africa
14. Which country tested hydrogen bomb in September, 2017?
- (a) Syria (b) North Korea
(c) Iran (d) Russia
15. The joint training exercise "PRABAL DOSTYK - 2017" has started between India and which country?
- (a) Israel (b) Nepal
(c) Kazakhstan (d) Uzbekistan
16. India ranked _____ among 119 developing countries on the Global Hunger Index 2017.
- (a) 105 (b) 100
(c) 102 (d) 101
17. Which state is the first organic state in India?
- (a) Assam (b) Goa
(c) Sikkim (d) Maharashtra
18. No helmet, no petrol rule comes into force in _____.
- (a) Andhra Pradesh (b) Maharashtra
(c) Gujarat (d) Karnataka
19. Which country started the world's first 'negative emissions' power plant?
- (a) France (b) Switzerland
(c) Japan (d) Iceland
20. Which country starts "sin" taxes on tobacco products, energy drinks and soft drinks?
- (a) S. Korea (b) US
(c) UAE (d) Sweden

21. This country became the world's first country to grant citizenship to a robot.
- (a) Saudi Arabia (b) Japan
(c) Taiwan (d) UK
22. Which of the following Union ministry launches SAATHI to help small Industries?
- (a) Ministry of Finance and Railways
(b) Ministry of Minority Affairs and Human Resource Development
(c) Ministry of Power and Science & Technology
(d) Ministry of Power and Textiles
23. Which online campaign was recently launched by Union Ministry of Women and Child Development (WCD) to end gender bias in women against women?
- (a) #IstandforWoman (b) #IamForWoman
(c) #IamThatWoman (d) #IbelieveinWoman
24. The committee constituted by the Union government for proper management of water resources in the NE region is:
- (a) Rajiv Kumar committee (b) Rajanath Singh committee
(c) Jitendra Singh committee (d) VK Singh committee
25. Which operation has started by India to help Rohingya refugees in Bangladesh?
- (a) Operation Rohingya (b) Operation Insaniyat
(c) Operation Safe Rohingya (d) Operation Refugee
26. Which party won the highest number of seats in the Meghalaya Legislative Assembly Elections 2018:
- (a) Bharatiya Janata Party (b) All India Trinamool Congress
(c) Janata Dal (d) Indian National Congress
27. Who is the present governor of Reserve Bank of India (RBI)?
- (a) Viral Acharya (b) Urjit Patel
(c) Raghuram Rajan (d) S S Mundra
28. The First Open Defecation Free district in Mizoram is:
- (a) Aizawl (b) Lunglei
(c) Champhai (d) Serchhip
29. Jeff Bezos briefly overtook Microsoft's Bill Gates to become the world's richest person. He is the founder of which company?
- (a) Google (b) Walmart
(c) Amazon (d) Yahoo
30. The first state in which Parliamentary Secretaries resign after Supreme Court's judgement is:
- (a) Mizoram (b) Nagaland
(c) Manipur (d) Meghalaya
31. Who is the author of the book, "Mitthi Privatise"?
- (a) Lalhmingliana Saiawi (b) MC Lalrinthanga
(c) Ruatfela Nu (d) M.Lalmanzuala

32. Who is the writer of a book, “Ignited Mind”?
- (a) Kulbir Singh (b) AS Narain
(c) APJ Kalam (d) Nehru
33. “The God of Small Things” is written by
- (a) Vikram Seth (b) Sobha De
(c) Arundhati Roy (d) Kiran Desai
34. The author of the book ‘Around the World in Eighty Days’ is:
- (a) Jack London (b) Jules Verne
(c) George Orwell (d) Daniel Dafoe
35. MAL Book of the Year 2016 is:
- (a) Aizawlah Aizawler (b) ‘Ka dai ve chin
(c) Thanpuii Thlân (d) Thlir Ninawm loh
36. Who is the present Chief Justice of India?
- (a) Justice Dipak Misra (b) Justice Kulbar Misra
(c) Justice Menon (d) None of these
37. Who topped in the Hurun’s Global Rich List 2018?
- (a) Bill Gates (b) Warren Buffett
(c) Jeff Bezos (d) Mark Zuckerberg
38. Who is in-charge of Ministry of Personnel, Public Grievances and Pensions?
- (a) Rajnath Singh (b) Narendra Modi
(c) Arun Jaitley (d) Suresh Prabhu
39. The Managing director of International Monetary Fund is:
- (a) Christine Lagarde (b) Dominique Strauss-Kahn
(c) Jim Yong Kim (d) Kristalina Georgieva
40. The Vice-Chairman of NITI Aayog is:
- (a) Arvind Panagariya (b) Rajiv Kumar
(c) Rajiv Mehrishi (d) Yash Pal
41. The Bull-Taming sport Jallikatu is typically practiced in
- (a) Karnataka (b) Tamil Nadu
(c) Nagaland (d) Arunachal Pradesh
42. Who wins the 2018 Australian Open Womens Single Title?
- (a) Caroline Wozniacki (b) Venus Williams
(c) Kristina Mladenovic (d) Maria Sharapova
43. Which team wins the 2017 Santosh Trophy of Football?
- (a) Kerala (b) Punjab
(c) Mizoram (d) West Bengal
44. The Champion of 2017 FIFA U-17 is
- (a) England (b) Spain
(c) Brazil (d) Mali

45. Winner of MSL Season 3 is
- (a) Zarkawt BCA (b) Khatla TBL
(c) Tuikual South (d) Mission Veng Vikings
46. The full form of ASEAN is
- (a) Association of South East Asian Nations (b) Association of South Eastern Asian Nations
(c) Association of South East Asia Nations (d) Association of South East Asian Nation
47. BIMSTEC full form is
- (a) Bangladesh, India, Myanmar, Sri Lanka, Thailand Economic Cooperation
(b) Bangladesh, India, Myanmar, Sri Lanka, Thailand Enforcement Cooperation
(c) Bangladesh, India, Myanmar, Sri Lanka, Thailand Energy Cooperation
(d) Bangladesh, India, Myanmar, Sri Lanka, Thailand Ecological Cooperation
48. IBRD means
- (a) International Bank for Rural Development
(b) International Bank for Re-enforcement and Development
(c) International Bank for Reconstruction and Development
(d) International Bank for Regional Development
49. The full form of PRRS
- (a) Porcine Respiratory and Reproductive Symptom
(b) Porcine Reproductive and Respiratory Syndrome
(c) Porcine Respiratory and Reproductive Syndrome
(d) Porcine Reproductive and Respiratory Symptom
50. The full form of AYUSH:
- (a) Ayurveda, Yoga and Naturopathy, Unani, Sunni and Homeopathy
(b) Ayurveda, Yoga and Naturopathy, Umami, Sunni and Homeopathy
(c) Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homeopathy
(d) Ayurveda, Yoga and Naturopathy, Umami, Siddha and Homeopathy
51. Steel City refers to
- (a) Bhopal (b) Mussorie
(c) Jamshedpur (d) Lucknow
52. City of Seven Hills refers to
- (a) Paris (b) Rome
(c) Singapore (d) Tokyo
53. Which one of the city is called Forbidden city?
- (a) Lhasa (Tibet) (b) Pyongyang (North Korea)
(c) Rome (Italy) (d) Rangoon (Burma)
54. Land of Golden Fleece
- (a) Australia (b) Greece
(c) Italy (d) Canada

55. Human Equator of the Earth :
- (a) Ecuador (b) Mexico
(c) Himalayas (d) Andes
56. Which one of the following film is declared as the best film in 63rd film fare Awards?
- (a) Hindi Medium (b) Sultan
(c) Tumhari Sulu (d) Secret Superstar
57. Which cricket player wins the Polly Umrigar Award 2017?
- (a) Virat Kohli (b) MS Dhoni
(c) Rohit Sharma (d) None of these
58. Who is named as the world's best player for 2017 by FIFA?
- (a) Neymar (b) Lionel Messi
(c) Cristiano Ronaldo (d) Luis Suarez
59. The winner of Man Booker Prize 2017 is
- (a) George Saunders (b) Ali Smith
(c) Mohsin Hamid (d) Emily Fridlund
60. Who is crowned as the first Miss TransQueen India?
- (a) Aanya Sharma (b) Nitasha Biswas
(c) Ishita Gupta (d) Shreya Kapoor
61. Who invented HIV
- (a) Einthoven (b) Wilhelm Rontgen
(c) Luc Montagnier (d) FG Hopkins
62. Who was the inventor of Telephone?
- (a) Marconi (b) Thomas Edison
(c) J.Gutenberg (d) Alexander Graham Bell
63. Who invented Television?
- (a) J. L. Baird (b) Thomas Edition
(c) Enrico Fermi (d) Alexandro Volta
64. Who invented Ball Point Pen?
- (a) George Waterman (b) Lazzlo Biro
(c) John J. Loud (d) Michael Sheaffer
65. Who discovered Polio Vaccine?
- (a) Edward Jenner (b) Maurice Hilleman
(c) Emile Roux (d) Jonas Salk
66. Network Interface Card (NIC) is
- (a) A peripheral device used to point to items on monitor
(b) A device used to connect one computer to another over a phone line
(c) A board inserted in a computer that provides a physical connection to a network
(d) A device that reads and or writes information on a disk

67. URL refers to
- (a) Viruses
 - (b) Sharewares
 - (c) Address of a site on WWW
 - (d) Graphical representation of programme activities
68. Boot implies
- (a) Basic unit of information in computer
 - (b) Process of loading or initializing an operating system
 - (c) Addresses of sites on World Wide Web
 - (d) Memory Unit
69. In IT world, m-business relates to
- (a) Mobile banking
 - (b) Mobile business
 - (c) Modern business
 - (d) Money banking
70. Choose the odd one among the following
- (a) HAN
 - (b) LAN
 - (c) VPN
 - (d) VSN
71. Linux is:
- (a) An operating system
 - (b) Android App
 - (c) Web browser
 - (d) Web server
72. A standard windows keyboard has how many keys:
- (a) 101
 - (b) 84
 - (c) 104
 - (d) 109
73. GUI Stands for:
- (a) Graphical User Interface
 - (b) Greater User Interface
 - (c) Graphical Universal Interface
 - (d) Graphical Utility Interface
74. A small piece of data sent from a website and stored on the user's computer by the user's web browser while browsing:
- (a) Cookie
 - (b) file
 - (c) chip
 - (d) compiler
75. Which among the following is not a computer/programming language?
- (a) COBOL
 - (b) C#
 - (c) Java
 - (d) D++

SECTION - B
(Simple Arithmetic - 50 Marks)

76. What should be subtracted from $\frac{-3}{11}$ to get -1

(a) $\frac{+3}{11}$

(b) $\frac{-14}{11}$

(c) $\frac{8}{11}$

(d) $\frac{-8}{11}$

77. 0.0024 is equivalent to which of the following :

(a) 24%

(b) 0.24%

(c) 2.4%

(d) 0.024%

78. The value of $\frac{3.7 \times 3.7 \times 3.7 - 1.2 \times 1.2 \times 1.2}{3.7 \times 3.7 + 3.7 \times 1.2 + 1.2 \times 1.2}$ equals

(a) 4.9

(b) 2.7

(c) 1.7

(d) 2.5

79. The value of $\frac{1}{5^{-2}}$ is

(a) -25

(b) 25

(c) $\frac{1}{25}$

(d) -10

80. Which of the following is the smallest perfect square, exactly divisible by 8, 15, and 24?

(a) 1521

(b) 2500

(c) 3600

(d) 4624

81. Which of the following ratios is the smallest?

(a) 20:5

(b) 1:5

(c) 5:1

(d) 5:20

82. The multiplicative inverse of $-2\frac{1}{3}$ is

(a) $\frac{7}{3}$

(b) $\frac{3}{7}$

(c) $-\frac{7}{3}$

(d) $-\frac{3}{7}$

83. The value of $1\frac{3}{5} \times 2\frac{1}{4}$ of $1\frac{1}{3} - \left[1\frac{1}{4} \left\{ 3\frac{2}{5} \div 5\frac{2}{3} (8 - \overline{18 - 2}) \right\} \right]$ is

(a) -2.8

(b) 10.8

(c) $\frac{25}{5}$

(d) $\frac{1}{4}$

84. The LCM of $\frac{2}{3}$ and $\frac{6}{15}$ is
- (a) 2 (b) 3
(c) 4 (d) 5
85. What should be subtracted from 48576 so that the remainder is exactly divisible by 9?
- (a) 1 (b) 2
(c) 3 (d) 9
86. Which one of the following is the largest prime number by which 247 is exactly divisible?
- (a) 1 (b) 7
(c) 19 (d) 247
87. The value of $0.4\bar{9}$ is
- (a) $\frac{49}{100}$ (b) $\frac{45}{99}$
(c) $\frac{49}{90}$ (d) $\frac{45}{90}$
88. The value of $(\sqrt{3} - \sqrt{7})(\sqrt{3} + \sqrt{7})$ is
- (a) 4 (b) -4
(c) 10 (d) -10
89. The value of $\left(\frac{5}{8}\right)^{-7} \div \left(\frac{8}{5}\right)^{-5} = ?$
- (a) $\frac{64}{25}$ (b) $-\frac{64}{25}$
(c) 1 (d) -1
90. The average of a class of 30 students is 21 years. When the teacher's age is included, the average increases by 1. What is the teacher's age?
- (a) 30 years (b) 31 years
(c) 32 years (d) 33 years
91. A tap can fill the tank completely in 40minutes. But there is a leakage which can empty the tank in 1hr 20 minutes. If the tap is kept open without repairing the leakage, in how much time would the tank full?
- (a) 40 minutes. (b) 1 hr.
(c) 1 hr 20minutes (d) 26min. 40 sec
92. A person travels from A to B at a speed of 30 kmph and returns back to A at the speed of 60 kmph, what is his average speed?
- (a) 45kmph (b) 15kmph
(c) 90kmph (d) 40kmph

93. Two thirds of a number exceeds its one-third by 33. What is the number?
(a) 120 (b) 100
(c) 90 (d) 99.
94. A mixture contains water and milk in the ratio 3:5. If the total quantity of the mixture is 64litre, how much water must be added to this mixture to make the ratio as 1:1?
(a) 16 litre (b) 20 litre
(c) 24 litre (d) 12 litre
95. A father's present age is thrice as that of his son's. After 5 years, it would become 2.5 times. What was the age of his father at the time of birth of his son?
(a) 30 years (b) 25 years
(c) 28 years (d) 35 years
96. A car is purchased by Rs.4,00,000/-. If its value depreciates by 10% p.a. What would be the value of that car 5 years hence?
(a) Rs.300000 (b) Rs.236196
(c) Rs.263100 (d) Rs.441000
97. A bus conductor has the Rs.5 notes, Rs.10 notes, Rs.20 notes, Rs.50 notes and Rs.100 notes in the proportion 20:10:5:4:2. If the total amount in his bag is Rs.2100/- How many Rs.20 notes does the bag contains?
(a) 40 (b) 30
(c) 15 (d) 10
98. The speed of the current is 4kmph. A boat travels 6km upstream and returns back to the starting point in 2hrs. What is the speed of the boat in still water?
(a) 4kmph (b) 8kmph
(c) 10kmph (d) 12kmph
99. The cost of leveling a square field @ Rs.8/- per sq.m is Rs.392/-. What would be the cost of fencing the same field @ Rs.10 per metre?
(a) Rs.260 (b) Rs.640
(c) Rs.280 (d) Rs.80
100. 2 tables and 4 chairs together cost Rs.800, while 4tables and 2 chairs together cost Rs.1300/-. What is the cost of 1 table and 2 chairs?
(a) Rs.500 (b) Rs.450
(c) Rs.300 (d) Rs.400
101. A, B and C can do a piece of work in 20, 20 and 40 days respectively. They began the work together but C left 2 days before the completion of work. In how many days the work would have been completed?
(a) 10.5 days (b) 12 days
(c) 11 days (d) 8.5 days
102. In a competitive examination, 10000 boys and 12000 girls appeared. If 26% of boys and 15 % of girls could qualify, what is the overall percentage of students who could not qualify the test?
(a) 20 % (b) 80%
(c) 20.5% (d) 79.5 %

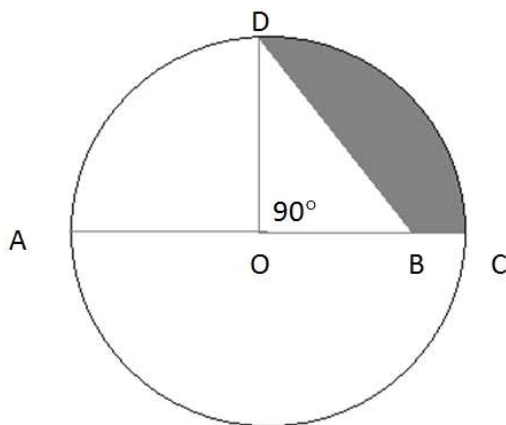
- 103.** A wire in the form of a circle of diameter 28 cm is bent to form a square. What is the area of a square?
(a) 444 sq. cm. (b) 196 sq. cm.
(c) 484 sq. cm. (d) 284 sq. cm.
- 104.** A person purchased 16 articles for Rs.10 and sold them at the rate of 10 articles for Rs.16. What is the profit percent?
(a) 60% (b) 160%
(c) 56% (d) 156%
- 105.** In an examination, 80% of the students passed in English, 85% in Maths and 75% in both English and Maths. If 40 students failed in both the subjects, what is the total number of students?
(a) 400 (b) 600
(c) 800 (d) can not be determined
- 106.** If the side of the square is increased by 25%, by what percent would its area increase?
(a) 50% (b) 6.25%
(c) 56.25% (d) 12.25%
- 107.** If the surface area of a cube is 864 sq.cm., its volume is?
(a) 1216 cu.cm (b) 1000 cu.cm
(c) 144 cu.cm (d) 1728 cu.cm.
- 108.** A man cleared only $\frac{3}{4}$ of his loan and he still has a balance of Rs.1500, what is whole amount of loan taken by him ?
(a) Rs.6000 (b) Rs.8000
(c) Rs.7500 (d) Rs.4500
- 109.** At what rate percent per annum will Rs.1200 amount to Rs.1440 in 4 years?
(a) 12% (b) 11%
(c) 6% (d) 5%.
- 110.** In how many years a sum of money treble itself at 10% per annum simple interest?
(a) 30 (b) 35
(c) 20 (d) 10
- 111.** The Compound Interest on Rs.12,600 for 2 years at 10% per annum compounded annually is
(a) Rs.2520 (b) Rs.2646
(c) Rs.15246 (d) Rs.17656.
- 112.** Consider the sets $A = \{1, 2, 4\}$; $B = \{x : x \text{ is positive integers and } x \leq 15\}$, then
(a) $B \subset A$ (b) $A \subset B$
(c) $A \cap B$ (d) $n(A) = n(B)$
- 113.** The marked price of an item is Rs.2500 and a rebate of 10% is given on it. After the rebate, GST is charged at 12.5%. The net price of the item is
(a) Rs.2250 (b) Rs.28125
(c) Rs.1968.75 (d) Rs.2520.25

114. If $(x^3 - 7x^2 + 6x + 4)$ is divided by $(x - 4)$, the remainder is
(a) 10 (b) -10
(c) 20 (d) -20
115. The degree of polynomial $(x^3 + 7)(3 - x^2)$ is
(a) 5 (b) -5
(c) 3 (d) 2
116. If the mean of 20 observations is 25 and median of the same is 24.5. Then the mode is
(a) 23.5 (b) 24.75
(c) 16 (d) 29.5
117. In a medical examination of students of a class, the following blood groups are recorded

Blood group	A	AB	B	O
No. of students	9	14	12	5

A student is selected at random from the class. The probability that he/she has blood group B is

- (a) $\frac{1}{8}$ (b) $\frac{3}{10}$
(c) $\frac{1}{4}$ (d) $\frac{1}{7}$
118. How many term are there in the AP of 5, 12, 19,, 245?
(a) 30 (b) 32
(c) 35 (d) 45
119. A ladder is placed against the wall such that it is at a distance of 6m from the wall and its top reaches a window 8m above the ground. Find the length of the ladder.
(a) 40 (b) 30
(c) 20. (d) 10
120. In the figure below, AC 7 cm, OB = 2cm, the area of the shaded region is:

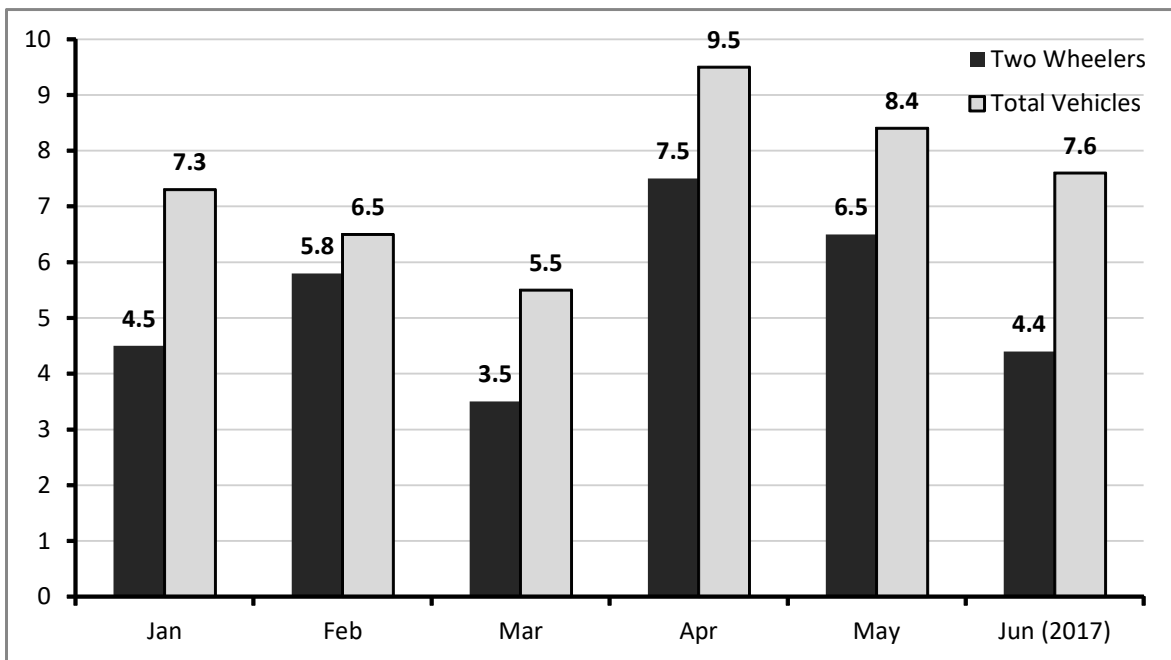


- (a) 10.35cm^2 (b) 6.125cm^2
(c) 5.23cm^2 (d) 9.5cm^2

121. A solid metal cone with radius of base 12 cm and height 24 cm is melted to form a solid sphere of diameter 6 cm each. Find the number of balls thus formed.
- (a) 40 (b) 30
(c) 32 (d) 10

Directions – (Q122 – 125) : Study the following graph carefully and answer the following and answer the following questions

Registration of New Vehicles at DTO Aizawl (in hundreds)



122. In what month, was the registration of vehicles other than two wheelers maximum?
- (a) January (b) April
(c) May (d) June
123. The percentage increase in registration of two wheelers from march to April, 2017 is
- (a) 11% (b) $114\frac{2}{7}\%$
(c) $53\frac{1}{37}\%$ (d) 75%
124. What was the ratio of the total number of vehicles in March to the total number of vehicles in June, 2017?
- (a) 3 : 4 (b) 4 : 3
(c) 5 : 7. (d) 7 : 5
125. The average monthly registration of new vehicles from January to June, 2017 is
- (a) 6.5 (b) 5.23
(c) 7.47 (d) 14