Bangladesh Marine Academy
52 Batch Cadet Selection Examination: 9 October 2015
Duration: 2 hours  
Roll Number: 

Full Marks: 320

Mathematics

1. If A & B are any two sets, \((A \cap B) \cap A = ?\) (A) A, (B) B, (C) \(\emptyset\), (D) \(\emptyset\).

2. If \(\omega \) is a cube root of unity, \((-1+\omega+\omega^2)(1+\omega-\omega^2) = ?\) (A) 4, (B) 4\(\omega^2\), (C) -4, (D) -4\(\omega^2\).

3. What is the value of \(\tan(-1125^\circ)\)? (A) 1, (B) -1, (C) 0, (D) \(\infty\).

4. The area of a triangle whose vertices are \((1,0), (2,1)\) & \((4,5)\) in sq. unit? (A) 1, (B) -1, (C) 0, (D) 2.

5. What is the length of line \(x=3 \land y=3\), intercepted by the axes of coordinates is? (A) \(3\), (B) \(2\sqrt{2}\), (C) \(3\sqrt{2}\), (D) \(2\sqrt{3}\).

6. The length of the intercept from the x-axis of the circle \(x^2+y^2+2x+2y+1=0\) is (A) 1, (B) 0, (C) 2, (D) 4.

7. If \(\alpha^2+\alpha^2+\alpha^2+\alpha^2=7\) then \(\alpha=\?) (A) 0, (B) 60, (C) 120, (D) 240.

8. A train moves through a distance \(2t^2+3t+4\) meter in t seconds; what will be its velocity (m/s) after 5 minutes? (A) 300, (B) 1200, (C) 1203, (D) 1197.

9. \(\int x^2dx=\?) (A) \(\frac{2}{3}\alpha-1\), (B) \(\frac{2}{2}\alpha+1\), (C) \(\frac{2}{2}\alpha-1\), (D) \(\frac{2}{2}\alpha+1\).

10. Which one if correct for \(\alpha, \beta, \gamma\)? (A) \(\alpha, \beta, \gamma\), (B) \(\alpha, \beta, \gamma\), (C) \(\alpha, \beta, \gamma\), (D) \(\alpha, \beta, ,\gamma\).

11. The decimal number 45 into binary number is (A) 1011001, (B) 1011011, (C) 1100000, (D) 100001.

12. If \(\pi\alpha=14\), \(\pi\beta, \pi\gamma\), then find the value of \(n\). (A) 7 or 8, (B) 8, (C) 8, (D) None.

13. If \(5x+13=31\), what is the value of \(5\sqrt{x+31} = ?\) (A) 13, (B) \(\sqrt{13}\), (C) 169, (D) 7.

14. If \(2a=3b=4c\), then A:B:C is: (A) 3:4:6, (B) 6:4:3, (C) 2:3:4, (D) 4:3:2.

15. Rewrite the inequality \(6<x<2\) using absolute value sign. (A) \(|2x+4|<8\), (B) \(|2x+4|>8\), (C) \(|2x-4|<8\), (D) None.

16. If \(x=\frac{\pi}{3}, y=\infty\), then find the value of \(\sin x+\cos y\). (A) \(\frac{\pi}{3}\), (B) \(\frac{\pi}{3}\), (C) \(\frac{\pi}{3}\), (D) \(\frac{\pi}{3}\).

17. Determine \(\tan x\). (A) \(\tan x\), (B) \(\sec x\), (C) \(\sec x\), (D) \(\int \sec x\).

18. Determine the area inside the parabola \(y^2=4x\) & straight line \(y=x\). (A) \(\frac{1}{2}\), (B) \(\frac{3}{2}\), (C) \(\frac{3}{2}\), (D) \(\frac{3}{2}\).

19. Find the equation of the straight line when it passes through the origin and the point (4,4). (A) \(2x+3y=0\), (B) \(x=0\), (C) \(y=0\), (D) \(x+y=0\).

20. The costing price of 12 articles is equal to selling price of 9 articles; find the gain percentage. (A) 25%, (B) 30%, (C) 33.33%, (D) 50%.

21. If each side of a cube is doubled then its volume will be: (A) 2 times, (B) 4 times, (C) 6 times, (D) 8 times.

22. The average of 7 consecutive numbers is 33. The largest number will be: (A) 28, (B) 30, (C) 33, (D) 36.

23. What is the average of \(\frac{1}{2}t^2\) and \(\frac{1}{2}t^2\)? (A) \(\frac{1}{2}t^2\), (B) \(\frac{1}{2}t^2\), (C) \(\frac{1}{2}t^2\), (D) \(\frac{1}{2}t^2\).

24. If \(\sin\theta+\cos\theta=1\), then \(\theta=\?) (A) 2n\pi, (B) \(\pi(4n-1)\pi/2\), (C) \(\pi(4n-2)\pi/2\), (D) None.

25. What is the average of 2\(^2\)? (A) \(\frac{1}{2}\), (B) \(\frac{1}{2}\), (C) \(\frac{1}{2}\), (D) None.

26. Convert \(\sin\theta\) into \(\cos\theta\). (A) \(\frac{1}{2}\), (B) \(\frac{1}{2}\), (C) \(\frac{1}{2}\), (D) None.

27. \(\sin\theta+\cos\theta=\?) (A) \(\pi\), (B) \(\pi\), (C) \(\pi\), (D) None.

28. For what value of \(x\) the slope of the curve \(y=x^2+1\) will be zero. (A) \(\pi\), (B) \(\pi\), (C) \(\pi\), (D) \(\pi\).

29. Determine the equation of horizontal Tangent of \(y=x^2\). (A) \(y=-3\), (B) \(y=1\), (C) \(y=x\), (D) \(y=x\).

30. The summation of \(x, y\) is 100. What would be the minimum magnitude of \(x^2+y^2\). (A) \(1000\), (B) \(5000\), (C) \(100\), (D) \(10\).

31. Determine the highest value of \(y=x^2\). (A) \(2/27\), (B) \(\sqrt{27}\), (C) \(\sqrt{27}\), (D) \(4/27\).

32. If \(y=(2x-5)^2\), then what is the value of \(y=\?) (A) 48, (B) 24, (C) 64, (D) 0.

33. \(d^4(x^4+4x^4)\). (A) \(100\), (B) \(99\), (C) \(99\), (D) None.

34. \(\sqrt{x+\sqrt{2}}=\?) (A) \(\sqrt{2}\), (B) \(\sqrt{2}\), (C) \(\sqrt{2}\), (D) None.

35. Find the square root of \(-6-6\sqrt{2}\). (A) \(\pm\sqrt{1+i}\), (B) \(\pm\sqrt{1+i}\), (C) \(\pm\sqrt{1+i}\), (D) \(\pm\sqrt{1+i}\).

36. \(\sin(x+\cos(x))\) will be highest, if: (A) \(x=\pi/3\), (B) \(x=\pi/6\), (C) \(x=\pi/4\), (D) \(x=\pi/2\).

37. What is the highest height when the maximum range if \(R\). (A) \(R\), (B) \(R\), (C) \(R\), (D) \(R\).

38. If \(\sqrt{2p+1}+1\), then \(p^4+p^4+p^4+p^4=\?) (A) \(-1\), (B) \(1\), (C) 0, (D) None.

39. Which of the following is the condition of inverse symmetric matrices? (A) \(A=-A\), (B) \(A=-A\), (C) \(A=-A\), (D) None.

40. Three vertices of a parallelogram are \((1,3)\), \((2,0)\) & \((5,1)\); then the 4th vertex will be: (A) \((3,3)\), (B) \((4,4)\), (C) \((4,0)\), (D) 0-4.

41. The points on the parabola \(y^2=12x\), whose focal distance is 4, are: (A) \(2,\sqrt{3}\), (B) \(2,\sqrt{3}\), (C) \(2,\sqrt{3}\), (D) \(2,\sqrt{3}\).

42. When \(\cot\theta=\cot\theta\), then \(\theta=\?)
3. If \( y = t \tan 45^\circ \), then \( \frac{dy}{dx} = \) (A) 1, (B) \( \sec n \), (C) 0, (D) tan \( n \)

44. Force 7.5,3 acting at a point are in equilibrium. The angle between the forces 5 and 3 is: (A) 120°, (B) 90°, (C) 60°, (D) 30°

45. \((1-i)^8 + (1+i)^8 = ?\) (A) 2^8, (B) 2^9, (C) 2^9, (D) 2^7

46. One dice & one coin are tossed simultaneously. The probability of getting 6 on dice and head on coin is: (A) 1/2, (B) 1/6, (C) 1/12, (D) None

47. In binary form 11.011+1.10= (A) 10.001, (B) 11.1100, (C) 100.111, (D) None

48. The circle \( x^2+y^2+4x+2y+c=0 \) passing through origin: (A) \( f=0 \), (B) \( g=0 \), (C) \( c=0 \), (D) \( k=xy \)

49. Two circles’ radii \( r_1 \) & \( r_2 \), condition of contacting each other externally as under when distance between two centres are: (A) \( r_1 r_2 \), (B) \( r_1 = r_2 \), (C) \( n = r_1 \), (D) \( r_1 + r_2 \)

50. If tangent of a centre \( x=0 \), \( y=2a \) is perpendicular to \( x \) axis then its point : (A) \( (a,a) \), (B) \( (0,a) \), (C) \( (a,0) \), (D) \( (0,0) \)

**Physics**

51. The depth of a pond is 12 m. If the refractive index of water is 4/3, what is the apparent depth? (A) 4.5m, (B) 0.5m, (C) 4.9m, (D) 9m

52. The angle of dip at the pole is: (A) 90°, (B) 0°, (C) 45°, (D) 30°

53. What is the order of molecular range? (A) \( 1 \times 10^{-4} \text{m} \), (B) \( 10^{-10} \text{m} \), (C) \( 10^{-11} \text{m} \), (D) \( 1 \times 10^{-9} \text{m} \)

54. The equation of progressive wave is represented by \( y=15 \sin (20 \pi t - 10x) \). What is the velocity of this wave? (A) 0.75, (B) 0.5, (C) 2, (D) None

55. In which year the solar cell was invented? (A) 1954, (B) 1968, (C) 1960, (D) 1076

56. At which temperature Helium changes to super-fluid? (A) 2.41K, (B) 2.29K, (C) 2.17K, (D) 6.07K

57. What is the frequency of a photon of energy 100 MeV? (A) 4.4x10^18 Hz, (B) 6.4x10^17 Hz, (C) 2.41x10^-18 Hz, (D) 8.87x10^-17 Hz

58. What will be the value of acceleration due to gravity \( g \), when the radius of earth is half of the present value? (A) 6g, (B) 2g, (C) 4g, (D) g/2

59. What is the value of the earth potential? (A) 220V, (B) Infinity, (C) 211V, (D) 0V

60. If the sky is cloudy, dews do not form, because the cloud is: (A) good conductor, (B) bad conductor, (C) heat absorbing, (D) None

61. What is the effective length of a second pendulum? (A) 0.093m, (B) 1.939m, (C) 0.939m, (D) 1.094m

62. What is the moment of inertia of a wheel of mass 4 kg and radius of gyration 25 cm? (A) 25 kg\text{m}^2, (B) 0.25 kg\text{m}^2, (C) 0.25 kg, (D) 0.25 kg\text{m}^2

63. Which reaction takes place in Hydrogen bomb? (A) Fission, (B) Fusion, (C) Chemical, (D) Radioactive

64. The electric field intensity of radio wave is \( E_z=10^{-4} \text{V/m} \). Find the value of \( E_z \), (A) 3.33x10^{-15} \text{Wb/m}^2, (B) 3.33x10^{-16} \text{Wb/m}^2, (C) 3.33x10^{-16} \text{Wb/m}^2, (D) 3.33x10^{-14} \text{Wb/m}^2

65. Mechanical practical unit of power is: (A) Watt, (B) Horse power, (C) Kilowatt, (D) Foot-pound

66. A 200 m long train moving with a speed of 36 km/h passes over a bridge and takes 80 seconds to cross the bridge. How long was the bridge? (A) 400m, (B) 300m, (C) 600m, (D) 450m

67. What will be the length of the minute arm of a watch if the linear speed of the mid-point of the same arm is 1.745x10^3 cm/sec? (A) 1 cm, (B) 3 cm, (C) 4 cm, (D) 2 cm

68. A body of mass 7 kg rests on the floor of a lift. How much can be an upward acceleration if the force on body by the floor is 82.6 N? (A) 4 m/sec^2, (B) 3 m/sec^2, (C) 2 m/sec^2, (D) 5 m/sec^2

69. By a pump of power 580 w, how much Kg of water can be lifted per second to 10m height? (A) 20 kg, (B) 15 kg, (C) 10 kg, (D) 12 kg

70. Which one is the correct formula to find out the radius of earth? (A) \( R=\sqrt{\frac{gM}{g}} \), (B) \( R=\frac{GMg}{R} \), (C) \( R=\frac{GM}{R} \), (D) \( R=GMg^2 \)

71. The maximum force 7.2x10^3 N is applied to lift a needle from the surface of water. Then what is the length of a needle? Surface tension of water is 72x10^-3 N/m. (A) 4 cm, (B) 2 cm, (C) 5 cm, (D) 3 cm

72. At what temperature the pressure of a gas will be 4x10^6 Pa if the pressure of a gas at 0°C is 3x10^5 Pa? (A) 60°C, (B) 91°C, (C) 80°C, (D) 72°C

73. With a battery of how many volts, a capacitor of 3.5 μF is charged, so that the amount of energy stored up is 1.75x10^-7 J? (A) 12 volts, (B) 20 volts, (C) 7 volts, (D) 10 volts

74. Some bulbs of 100 W each is lighted for 6 hours daily. If the cost of each unit of electricity is Taka 2.50 and bill for 30 days was Tk. 315, then how many bulbs were lighted daily? (A) 5, (B) 7, (C) 10, (D) 4

75. The electrochemical equivalent of copper is 33.34x10^4 kg/mole, valency 2 and atomic weight 63.5 then the electrochemical equivalent of hydrogen is: (A) 6.8x10^-7 kg/mole, (B) 1.05x10^-4 kg/mole, (C) 3.26x10^-5 kg/mole, (D) 1.1x10^-6 kg/mole

76. An electric wire lies along the east-west direction carrying current and due to earth's magnetic field of 10^-4 T, the force per meter wire is 10^-3 N, then the wire carries a current: (A) 5 A, (B) 15 A, (C) 10 A, (D) 20 A

77. When a swimming pool is filled with water to 18 ft so that it appears to be half-filled. What is the depth of the pool, when for water μ=4/3? (A) 36 ft, (B) 27 ft, (C) 30 ft, (D) 24 ft

78. The magnetic field intensity of radio wave is 1x10^-12 W/m^2 and the velocity of light is 3x10^8 m/s. Then what is the electric field intensity of radio-wave? (A) 2x10^-9 V/m, (B) 3x10^-4 V/m, (C) 4x10^-3 V/m, (D) 2.5x10^6 V/m

79. The half life of a radioactive element is 6.93 days. Its mean life will be: (A) 8 days, (B) 5.7 days, (C) 10 days, (D) 11.5 days

80. If \( k=1.38x10^{-23} \text{J/K} \), then at what temperature the average kinetic energy of the molecule of Helium gas in a container will be 6.21x10^-21 J? (A) 450 K, (B) 300 K, (C) 350 K, (D) 320 K

81. An object having mass of 6 kg is in a static condition. What will be its kinetic velocity 10 seconds after application of 30 N force? (A) 7,100 J, (B) 7,200 J, (C) 7,400 J, (D) 7,500 J

82. If the length of an wire is 4m, area of cross-section is 0.003 m², breaking stress is 3.267x10^11 N/m², then what will be the breaking force of the wire? (A) 9.8x10^10 N, (B) 10 kg, (C) 10 N, (D) 9.8x10^9 kg
103. Mr. Shahin requested Mr. Kayser ______ telephone to attend the meeting? (A) over, (B) through, (C) with, (D) by.

104. What would have happened if the bridge ______? (A) is broken, (B) would break, (C) had broken, (D) had been broken.

105. A fantasy is ______. (A) an imaginary story, (B) a funny film, (C) a historical story, (D) a real story.

106. You _____ go to that room. Its forbidden. (A) don’t have to, (B) mustn’t, (C) shouldn’t, (D) don’t know how to.

107. Hardly had the train stopped ______. (A) before we got down, (B) as we got down, (C) then we got down, (D) when we got down.

108. I saw Lisa at the station when I was going to work this morning but she _____ me. (A) didn’t see, (B) don’t see, (C) hasn’t seen, (D) didn’t saw.

109. I am sorry but I haven’t got time _____ to you now. (A) for talking, (B) to talk, (C) talking, (D) talked.

110. The Chairman proceeded as though ______. (A) I wouldn’t speak, (B) I didn’t speak, (C) I don’t speak, (D) I hadn’t spoken.


112. পর্যায়ে ব্যাকুল, কোলিত র্যাঙ। (A) He is as kind as he is rude, (B) He is as kind as he rude, (C) He is as kind as rude, (D) He was as kind as he is rude.

113. তব দৃষ্টি পাইন, পালা কি? (A) He won’t eat rice, won’t he? (B) He wouldn’t eat rice, wouldn’t he? (C) He won’t eat rice, will he, (D) He won’t eat rice, will it?

114. Identify the correct sentence. (A) Open page at 40, (B) Open page 40, (C) Open at page 40, (D) Open at page 40.

115. I will carry an umbrella in case ______. (A) it will rain, (B) it would rain, (C) it rains, (D) it rained.

116. Time after twilight and before night is called ______. (A) Evening, (B) Dawn, (C) Dusk, (D) Eclipse

117. Which of the followings is not a greeting? (A) Good evening, (B) Good night, (C) Good morning, (D) Good afternoon.

118. Antonym of the word 'extemore' is ______. (A) prompt, (B) immediate, (C) spontaneous, (D) prepared.

119. ‘Slow coach’ means ______. (A) an irresponsible person, (B) a very lazy person, (C) A careless person, (D) an unthoughtful person.

120. ‘Data’ is the plural form of which one? (A) Datire, (B) Datas, (C) Data, (D) Datum.

121. Which of the followings is feminine gender? (A) Puppy, (B) Mare, (C) Drone, (D) Lion.

122. Which one is plural? (A) Actress, (B) Princess, (C) Mistress, (D) Princes
124. What is the noun of the word ‘cook’?
(A) Cooker, (B) Cooking, (C) Cook, (D) Cookie.

125. Make the sentence ‘Health is wealth’ Interrogative without changing its meaning.
(A) Is health wealth? (B) Why health is wealth?, (C) doesn’t health wealth? (D) Isn't health wealth?

126. Change the voice of the sentence ‘His conduct annoyed me.’
(A) He annoyed me with conduct. (B) I was annoyed with his conduct. (C) I was annoyed from his conduct. (D) I was annoyed at his conduct.

127. Which sentence indicates superlative degree?
(A) Rose is the finest of all flowers. (B) The rose is the finest of all flowers, (C) The rose is the finest of all flowers. (D) The rose is the finest of all flowers.

128. Choose the correct sentence.
(A) Ten miles are too far to walk. (B) Ten miles is too far to walk. (C) Ten mile is too far to walk. (D) Ten miles have too far to walk.

129. Which one is the correct sentence?
(A) Death is preferable to dishonour. (B) Death is preferable than dishonour. (C) Death is more better than dishonour. (D) Death is more preferable to dishonour.

130. Fill in the blank with right option: ‘I don’t drink ______ tea.’
(A) much, (B) many, (C) too many, (D) more.

131. Fill in the blank with correct preposition: ‘The intellectual can no longer be said to live ______ margins of society.’
(A) against, (B) beyond, (C) inside, (D) before.

132. Choose the appropriate connecting word: ‘____ I was walking along the riverside I saw a water-snake.’ (A) When, (B) Because, (C) As because, (D) While.

133. Choose the correct sentence:
(A) What did she call you for? (B) For what did she call you? (C) What for did she call you? (D) What did she call for you?

134. Put in correct preposition in the sentence: ‘I have no prejudice ______ foreigners.’ (A) for, (B) about, (C) against, (D) of.

135. Fill in the blank with correct word: ‘Four and four ______ eight.’
(A) makes, (B) make, (C) are, (D) is.

136. Which one is the passive form of the sentence ‘Rice sells cheap’. (A) Rice is sold cheap, (B) Rice is cheap when it is sold cheap. (C) Rice is being sold cheap. (D) None.

137. Fill in the blank in the sentence: ‘He ______ before he was put in prison.’ (A) has been tortured, (B) had been tortured, (C) will be tortured, (D) is torturing.

138. Choose the appropriate preposition: ‘The winter has set ______ very late this year.’ (A) out, (B) off, (C) in, (D) up.

139. Neither Rumi nor Poppy ______ qualified for the job.
(A) had, (B) were, (C) is, (D) are.

140. The correct synonym for the word ‘insane’ is ______.
(A) stupid, (B) senseless, (C) crazy, (D) indolent.

141. ‘Could you please help me.’ Here ‘could’ is used as ______
(A) present tense, (B) future tense, (C) past tense, (D) present perfect tense.

142. ‘So there at once is:
(A) simple sentence, (B) optative sentence, (C) assertive sentence, (D) imperative sentence.

143. Which one of the followings is plural?
(A) News, (B) Mathematics, (C) Crises, (D) Economics.

144. Who among the followings is a revolutionary poet?
(A) John Keats, (B) S T Coleridge, (C) P B Shelley, (D) Wordsworth.

145. The word ‘lunar’ is related to:
(A) Moon, (B) Earth, (C) Sun, (D) Light.

146. The word ‘quorum’ means:
(A) Required number, (B) Number, (C) Allowed number, (D) Additional number.

147. Which word is not an adjective? (A) Solar, (B) Linear, (C) Polar, (D) Hammer.

148. Which word is not a noun? (A) Articulation, (B) Defame, (C) Simulation, (D) Indemnity.

149. ‘All men must die’: negative form of this sentence is:
(A) No men will never die. (B) None but all men will die. (C) Nothing but all men must die. (D) None can avoid death.

150. The word ‘precedence’ means:
(A) Example, (B) Elderly, (C) Priority, (D) Case.

**General Knowledge**

151. Who is the director of the film ‘Guerrilla’ that is based on Bangladesh Liberation War? (A) Mostofa Sarwar Faruki, (B) Humayun Ahmed, (C) Jahir Rayhan, (D) Nasiruddin Yusuf.

152. How many fundamental principles are there of the Bangladesh Constitution? (A) 4, (B) 5, (C) 6, (D) 8.

153. The ‘Unfinished Memoirs (Oshomapo Atibijon)’ is the autobiography of: (A) Adolf Hitler, (B) Benito Musolini, (C) A P J Abdul Kalam, (D) Bangabandhu Sheikh Mujibur Rahman.

154. The constitution of Bangladesh is the state’s (A) general law, (B) emergency law, (C) fundamental/supreme law, (D) special law.

155. What were the objectives of the 1st amendment of the Bangladesh Constitution? (A) Declaring emergency, (B) Establishing a supreme court, (C) Reserving female seats in parliament, (D) Prosecution & punishment of genocide & crimes against humanity or war crimes.

156. Bangladesh Land Port Authority is an organisation of which ministry? (A) Shipping, (B) Land Transport & Bridges, (C) Commerce, (D) Honourable Prime Minister’s Office.

157. Who calls for the session of the Bangladesh National Parliament? (A) Honourable Prime Minister, (B) Speaker of the Parliament, (C) Honourable President, (D) Honourable Prime Minister & leader of the opposition jointly.

158. Based on the Gross National Income per Capita, on 1 July 2015, World Bank ranked Bangladesh in:
(A) Lower income country, (B) Lower-Middle income country, (C) Middle income country, (D) Higher-Middle income country.

159. What is the expansion of ECNEC? (A) Executive Committee of National Education Council, (B) Executive Committee of National Economic Council, (C) Emergency Committee for National Environmental Care, (D) Executive Committee for National Ecological Care.
179. What is the value of pH of water? (A) 7, (B) 14, (C) 1, (D) None.

180. Which city is the door of Europe? (A) Vienna, (B) Bon, (C) London, (D) Rome.

181. At what temperature, reading is same in Celsius & Fahrenheit? (A) 40°, (B) 0°, (C) -30°, (D) None.

182. What is meant by 1 knot? (A) 1.689 ft/sec, (B) 0.5149 ft/sec, (C) Both, (D) None.

183. What will be the weight of human body in the centre of earth? (A) Maximum, (B) Minimum, (C) 0, (D) None.

184. Which one is not a country of Middle East? (A) Morocco, (B) Yemen, (C) Jordan, (D) Qatar.

185. What is the capital of Bahrain? (A) Damesk, (B) Manama, (C) Panama, (D) None.

186. What is the language of Mauritius? (A) Dutch, (B) French, (C) English, (D) None.

187. Where is the Mississippi river situated? (A) Africa, (B) China, (C) Europe, (D) None.

188. Where is the city 'Troy'? (A) Greece, (B) Turkey, (C) Italy, (D) Russia

189. How many colours are there in Olympic flag? (A) 4, (B) 5, (C) 7, (D) None

190. How many types of 'out' in cricket? (A) 6, (B) 8, (C) 10, (D) 12.

191. Which country is going to launch 5G service? (A) South Africa, (B) South Korea, (C) South America, (D) None.

192. What is IMO? (A) International Muslim Organisation, (B) International Maritime Organisation, (C) International Marine Organisation, (D) None.

193. When was the 1st ship exported to: (A) Sweden, (B) Denmark, (C) Norway, (D) None.

194. What is 'Bangla mo?' (A) A type of rice, (B) A type of jute, (C) A film, (D) None.

195. Who is the 'father of e-mail'? (A) Ray Williamson, (B) B Johnson, (C) William, (D) None.

196. What is Mangrove? (A) Coastal forest, (B) Evergreen forest, (C) Sal forest, (D) Caraway forest

197. In which year, Colour TV was introduced in Bangladesh? (A) 1984, (B) 1983, (C) 1981, (D) 1980.

198. What will be the length of Padma bridge? (A) 1.5, (B) 3.15, (C) 2.15, (D) 6.15.

199. How many suras are there in Quaran? (A) 118, (B) 116, (C) 112, (D) 114.

200. On which date, the Bangladesh-India land border agreement got approved in the cabinet of India? (A) 5 May 2015, (B) 8 May 2015, (C) 14 May 2015, (D) 16 May 2015.