[Do not open the booklet unless told to do so]

Question Booklet Series
FIREMAN Category

WRITTEN TEST [OBJECTIVE TYPE]

A

NO. OF QUESTIONS: 150
MAX. MARKS: 300
TIME: 120 min

INSTRUCTIONS:

Read all the following instructions carefully before answering questions.

1. This Multiple Choice Question Paper – It consist of 150 questions, Booklet carries 12 pages.
2. Fill your Roll No., Group., Test Booklet No. Booklet Series clearly without any over-writing and without any omission or discrepancy, else will render the Answer Sheet liable for rejection.
3. Darken only ONE Choice with Black Ball Pen from the four options marked a, b, c, d on the OMR sheet provided. Answer, once marked, should not be changed, as erasing or overwriting will be treated as multiple marking and no marks will be awarded for such answers.
4. The instructions on the OMR Sheet should be followed carefully.
5. Each question carries 2 marks.
6. All questions are compulsory.
7. Only filled OMR sheet will be accepted as an answer script.
8. Sheet for rough work is provided in the Question Booklet at the end.
9. Candidate should allocate their time judiciously to all the questions.

Part I
ENGLISH GRAMMAR AND USAGE

For Questions 1 to 10, select the word opposite in meaning.

1. Fortunate

A. Lucky **B.** Unfortunate
C. Welcome **D.** Expected

2. Comfort

A. Discomfort **B.** Alike
C. Consolation **D.** Emphathy

3. Legible

A. Illegible **B.** Eligible
C. Negligible **D.** Clear

4. Commence

A. Begin **B.** Start
C. Resume **D.** Stop

5. Fatal

A. Deadly **B.** Lively
C. Mortal **D.** Growth

6. Fond

A. Deadly **B.** Lively
C. Mortal **D.** Growth

7. Fight

A. Contest **B.** Struggle
C. Combat **D.** Collaborate

8. Earn

A. Gain **B.** Loose
C. Win **D.** Acquire

9. Necessary

A. Needful **B.** Unnecessary
C. Requisite **D.** Essential

10. Quiet

A. Calm **B.** Loud
C. Still **D.** Placid

For Questions 11 to 20, select the word similar in meaning.

11. Famous

A. Renowned **B.** Infamous
C. Known **D.** Unheard

12. Dangerous

A. Hazardous **B.** Safe
C. Easy **D.** Normal

13. Feign

A. Being Truthful **B.** Pretend
C. Show accordingly **D.** None of the above

14. Vow

A. Promise **B.** Repeat
C. Continue **D.** Disregard

15. Build

A. Construct **B.** Remove
C. Destroy **D.** Progress

16. Genuine

A. Pure **B.** Unreal
C. Fake **D.** Duplicate

17. Timid

A. Coward **B.** Childish
C. Gallant **D.** Valiant

18. Novice

A. Hardcore **B.** Beginner
C. Hardened **D.** Casual

19. Veteran

A. Young **B.** Underage

C. Old **D.** Small

20. Infant

A. New Born **B.** Grown

C. Developed **D.** Matured

For Questions 21 to 30, select the suitable word

21. No sooner did she arrive_____ they started laughing

A. than **B.** then

C. that **D.** when

22. Is it _____ you wish to see?

A. I **B.** me

C. mine **D.** myself

23. The wolves have always had a notorious reputation of being _____ predators

A. tamable **B.** ruthless

C. conniving **D.** tactile

24. Do you have_____ book focusing on this war .

A. some **B.** any

C. the **D.** None of the above

25. They _____ learning a new language next semester

A. will **B.** will have

C. will be **D.** will have been

26. He _____ in this school since 2015

A. studied **B.** was studying

C. has been studying **D.** had studied

27. One who tries may fail but one who does not try never _____

A. succeeds **B.** success

C. gain **D.** prosper

28. These trousers are too long, _____ the length please.

A. diminish **B.** lessen

C. curtail **D.** reduce

29. Every rash driver becomes a _____ killer.

A. sure **B.** reckless

C. potential **D.** powerful

30. Ten kilometres ____ a long distance.

A. is **B.** are

C. has **D.** be

For Questions 31 to 35, substitute one word for the following sentences

31. Person who sells Medicine

A. Chemist **B.** Cashier

C. Shopkeeper **D.** None of the above

32. Fishmonger

A. Who sells fish **B.** Who catches fish

C. Who buys fish **D.** Who collects fish

33. Anonymous

A. Unknown author **B.** Known

C. Identity is revelead **D.** Open

34. Who sells Spectacles

A. Optician **B.** Ophthalmologist

C. Optometrist **D.** None of the above

35. One who does not know how to read and write

A. Literate **B.** Knowledgeable

C. Backward **D.** Illiterate

From Question 36 to 40, read each sentence to find out whether there is any grammatical mistake in it. The mistake if any will be in one part of the sentence. Mark the letter of the part with mistake as your answer. If there is no mistake mark (d)

36. The patient lodged **(a)** a complaint against the Doctor for **(b)** its negligence **(c)** No mistake **(d)**

37. Arun's father has been ill since last year and Arun **(a)** has spend his entire **(b)** savings on his treatment **(c)** No mistake **(d)**

38. The party **(a)** was voted out in power **(b)** after 10 years **(c)** No mistake **(d)**

39. The views of **(a)** the manufacturing and the tourism industries is that **(b)** the economy is improving **(c)** No mistake **(d)**

40. We discussed about the problem so thoroughly **(a)** on the eve of the examination **(b)** that I found it very easy to work it out **(c)** No mistake **(d)**

From Question 41 to 45, One of the three words given in each of these questions may be wrongly spelt. The number of that wrongly spelt word is the answer. If all the three words are correctly spelt, mark (d) i.e. all correct as the answer

41. **A.** Demean **B.** Demon
C. Devour **D.** All correct

42. **A.** Malignant **B.** Magnificent
C. Benign **D.** All correct

43. **A.** Convoy **B.** Convey
C. Collude **D.** All correct

44. **A.** Hover **B.** However
C. Hovergraft **D.** All correct

45. **A.** Eminent **B.** Imminent
C. Immanent **D.** All correct

46. The car flew _____ the cliff *(fill in the blank with right preposition)*

A. of **B.** off
C. from **D.** in

47. The train chugged ___ the station slowly *(fill in the blank with right preposition)*

A. into **B.** to
C. over **D.** beyond

48. My child held my arm <u>firmly</u>. The underlined word is?

A. Adverb **B.** Adjective
C. Verb **D.** Preposition

49. She ought to respect your seniors *(Change into Passive voice)*

A. Your seniors ought to be respected by her.
B. Your seniors is respected by her
C. She will respect your seniors
D. None of the above

50. Mohita said, "I kept the keys here." *(Change into indirect speech)*

A. Mohita said that she kept the keys there
B. Mohita says that she left the keys there
C. Mohita said that she left the keys here
D. None of the above

Part II
ARITHMETIC

51. 0.002 X 0.004 = ?

A. 0.008 **B.** 0.000008

C. 0.0008 **D.** 0.00008

52. What is the average (Arithmetic Mean) of the numbers: 2,4,5,0,9,10 and 12?

A. 5 **B.** 6

C. 7 **D.** 8

53. In the total investment of Rs 5,00,000/-, B's share is 20%. While A's share is 40% of the B's. What is the share of A?

A. Rs 34,000/- **B.** Rs 36,000/-

C. Rs 38,000/- **D.** Rs 40,000/-

54. If the cost of 12 eggs is Rs 40/-. What will be the cost of 3 eggs?

A. Rs 9/- **B.** Rs 10/-

C. Rs 11/- **D.** Rs 12/-

55. The sum of three consecutive numbers is 78. What is the largest number?

A. 173 **B.** 163

C. 153 **D.** 143

56. Square root of 900 is

A. 60 **B.** 30

C. 27 **D.** 90

57. What is the sum of the numbers: 1,2,3,4,…….99,100?

A. 5000 **B.** 5050

C. 5100 **D.** 5150

58. What is the average of the numbers: 2,5,0,10,10,12,8 and 9?

A. 6 **B.** 7

C. 8 **D.** 9

59. If the cost of 5 bars of soap is Rs 82.50, what will be the cost of one dozen such bars?

A. Rs 198 /- **B.** Rs 200/-

C. Rs 199 /- **D.** Rs 210 /-

60. In a school, there are 420 boys and 180 girls. Find the ratio of boys to girls.

A. 3:8 **B.** 7:6

C. 2:3 **D.** 1:3

61. Which of the following is a prime number?

A. 2 **B.** 3

C. 5 **D.** All of the above

62. The population of a town has increased by 5% in a year. Last year it's population was 20320. What is the present population of the Town?

A. 21336 **B.** 21000

C. 20000 **D.** 22000

63. Mr Mehta had Rs 60000/-. Out of this money, he gave 20% to his daughter, 35% to his son,30% to his wife and the rest he donated to a Charitable Trust. How much did he donate?

A. Rs 9,000/- **B.** Rs 8,000/-

C. Rs 900/- **D.** Rs 8,500/-

64. A rail journey of 500 km cost Rs 160/-. How much will a journey of 80 kms cost?

A. Rs 256 **B.** Rs 250

C. Rs 245 **D.** None of the above

65. The monthly income of Ram, his wife and his son is Rs 6000, Rs 5000 and Rs 5000 respectively. What is their average income per month?

A. Rs 5333.3 **B.** Rs 5300

C. Rs 5100 **D.** Rs 5000.3

66. 15 boxes contain 1080 pens. How many such boxes will be needed for 1800 pens

A. 25 boxes **B.** 20 boxes

C. 15 boxes **D.** 30 boxes

67. The weight of 65 books is 13 kg. How many books will weigh 32 kg?

A. 160 **B.** 150

C. 145 **D.** 155

68. The price of onion has been reduced from Rs 35 per kg to Rs 31.50 per kg. Find the reduction percent in its price.

A. 10% **B.** 20%

C. 18% **D.** 12%

69. 18 men take 20 days to complete a job working 12 hours a day. Find the number of days that 15 men will take to complete a job working 9 hours a day.

A. 20 **B.** 32

C. 28 **D.** 30

70. The price of milk rises from Rs 40 per litre to Rs 43.20 per litre. Find the percentage increase in the price of milk.

A. 7.5% **B.** 8.5%

C. 9% **D.** 8%

71. A man cycles at 12km/hr. How much distance does he cover in 35 mins?

A. 7 km **B.** 8 km

C. 7.5 km **D.** 8.4 km

72. A car covers a certain distance in 40 mins, if it runs at 54km/hr. How much time will it take to cover the same distance at speed 45 km/hr?

A. 45 mins **B.** 42 mins

C. 40 mins **D.** 48 mins

73. David divides 78 by half and adds 11.What number he gets at the end?

A. 50 **B.** 44.5

C. 167 **D.** 83.5

74. A train covers 35 km in 25 mins. what is the speed of the train in km/hr?

A. 45 km/hr **B.** 85 km/hr

C. 84 km/hr **D.** none of the above

75. What is the length whose 16% is 36 cm?

A. 2.25 m **B.** 2.20 m

C. 2 m **D.** 2.10 m

Part III
BASIC/ ELEMENTARY SCIENCE

76. When you immerse a stick into a glass beaker filled with water, the stick looks bent due to?
(I) Dispersion
(II) Refraction
(III) Internal reflection

A. I and III **B.** I and II only
C. II only **D.** I only

77. What is the main source of Heat and light occurring in nature?

A. Ocean **B.** Sun
C. Atmosphere **D.** Space

78. Which of these are correct
(I)Mushrooms are Fungi
(II) Algaes are Eukaryotes

A. I and II **B.** I only
C. II only **D.** None of the above

79. Oil floats on water because
(I) Oil is lighter than Water
(II) water and Oil are immiscible

A. I and II **B.** I only
C. II only **D.** None of the above

80. The safety fuse wire used in domestic electrical appliances is made of metal of low

A. Resistance **B.** Melting point
C. Specific gravity **D.** None of the above

81. A lighted candle gets extinguished when covered with a tumbler because of

A. Adequate supply of air
B. Inadequate supply of air
C. Presence of non luminous matter
D. None of the above

82. Which gas is used to fill in balloons?

A. Helium **B.** Nitrogen
C. Oxygen **D.** Argon

83. The _____ shaped body of a fish helps it in swimming in the water

A. Streamlined **B.** Square
C. Oblong **D.** Circular

84. The first metal used by man was

A. Iron **B.** Copper
C. Aluminium **D.** Bronze

85. The most abundant metal in the earth's crust is

A. Zinc **B.** Copper
C. Aluminium **D.** Iron

86. Which gas does not support burning?

A. Carbon Dioxide **B.** Oxygen
C. Nitrogen **D.** None of the above

87. Metals are

A. Ductile **B.** Malleable
C. Lustrous **D.** All of the above

88. Which of the following is not a wireless data transmission method?

A. Bluetooth **B.** NFC
C. Wi-Fi Direct **D.** None of the above

89. Blood contains

A. Red Blood Cells **B.** White Blood Cells
C. Plasma **D.** All of the above

90. Ignition Temperature is

A. Temperature at which the substance catches fire
B. Temperature at which the substance boils
C. Temperature at which the substance melts
D. All of the above

91. Presence of _____ in coal reduces its commercial value

A. Bromine **B.** Cadmium

C. Calcium **D.** Sulphur

92. _____ helps in production of food in plants in a process called photosynthesis.

A. Stomata **B.** Chlorophyll

C. Lamina **D.** Melanin

93. Rust is

A. Hydrated Iron Oxide

B. Hydrated Copper Sulphate

C. Anhydrous Iron Oxide

D. None of the above

94. Fuels which do not leave any residue on burning are

A. Coal and wood **B.** Coal and LPG

C. Wood and CNG **D.** LPG and CNG

95. The compound used in anti malarial drug is

A. Aspirin **B.** Neoprene

C. Isoprene **D.** Chloroquine

96. Which of the following disease is known as Lockjaw disease

A. Tetanus **B.** Chikungunya

C. Hydrophobia **D.** Dengue

97. The most important requirement for people of flood hit area is

A. Small pox vaccination

B. BCG injection

C. Inoculation against Cholera

D. None of the above

98. The upper part of the human intestine next to the stomach is called

A. Caecum **B.** Duodenum

C. Ileum **D.** Jejunum

99. Flower colours are due to

A. Chlorophyll **B.** Melanin

C. Phytochromes **D.** Anthocyanins

100. What is known as a complete food?

A. Eggs **B.** Milk

C. Pulses **D.** Vegetables

Part IV
GENERAL KNOWLEDGE

101. Google (www.google.com) is a:

A. Search Engine

B. Batch number of Computers

C. Directory of Images

D. Chat service on the web

102. CD-ROM is a

A. Magnetic Memory

B. Secondary Memory

C. Semiconducter Memory

D. Memory Register

103. Bluetooth relates to

A. Blue coloured tooth

B. Short range wireless technology

C. Sweet tooth

D. Tooth Decay

104. Meghalaya celebrated _____ year of Statehood in21st January 2022

A. 40th **B.** 45th

C. 60th **D.** 50th

105. The state day of Meghalaya is observed on

A. 21st January **B.** 26th January

C. 15th August **D.** 2nd October

106. Meghalaya will celebrate its 50th Statehood Day in the year

A. 2022 **B.** 2023

C. 2024 **D.** 2025

107. 12th Chief Minister of Meghalaya is

A.Shri Conrad Sangma **B.** Dr Mukul Sangma

C. Shri Metbah Lyngdoh **D.** None of the above

108. Mac Mohan Line demarcates the boundary between

A. India and China

B. India and Pakistan

C. India and Bangladesh

D. India and Myanmar

109. Greenwich Mean Time (GMT) is the standard time of which of the following countries?

A. India **B.** Japan

C. United Kingdom **D.** France

110. Greenhouse effect means

A. Pollution in houses in tropical region

B. Trapping of solar energy due to atmospheric carbon dioxide

C. Prevention from ultra violet radiations by the ozone layer

D. None of the above

111. The term Black box is used more commonly in relation to which of the

A. It is a box in which high grade uranium is kept to prevent radiation

B. It is a time capsule in which records of important events are kept to be opened at a later date

C. It is a flight recorder in an aeroplane

D. None of the above

112. Which of the following is called White gold?

A. Sodium **B.** Platinum

C. Diamond **D.** Silica

113. Which of the following Indian States receives the sunrays first in the morning?

A. Meghalaya **B.** Sikkim

C. Arunachal Pradesh **D.** Tripura

114. Teacher's day is observed on the birthday of

A. B R Ambedkar **B.** S Radha Krishna

C. J L Nehru **D.** Raja Ram Mohan Roy

115. Which Officer/person was associated with Jallianwala Bagh tragedy?

A. General Harris **B.** Colonel Wellesly

C. Brigadier General Dyer **D.** Arthur Wellesly

116. _____destroys the ozone layer.

A. Chlorofluorocarbon **B.** Atmospheric nitrogen

C. Oxygen **D.** Cosmic rays

117. Summer Solstice falls on

A. July 21 **B.** October 13

C. June 21 **D.** March 21

118. The southern tip of India is

A. Point Calimere

B. Cape Comorin (Kanyakumari)

C. Indira Point in Nicobar Island

D. Kovalam in Thiruvananthapuram

119. How many seats does Meghalaya have in the Lok Sabha?

A. 4 **B.** 3

C. 2 **D.** 1

120. Who was the first Chief Justice of Meghalaya High Court?

A. T Meena Kumari **B.** Uma Nath Singh

C. Prafulla G Pant **D.** Tarun Agarwal

121. Nongpoh is the District Headquarter of

A. Ri Bhoi

B. West Jaintia Hills

C. South West Garo Hills

D. North Garo Hills

122. The newest district of Meghalaya

A. South West Garo Hills

B. South West Khasi Hills

C. East Jaintia Hills

D. Eastern West Khasi Hills

123. U Tirot Singh was the Syiem of

A. Nongklaw **B.** Mylliem

C. Mawkyrwat **D.** Dawki

124. Which is the state tree of Meghalaya?

A. Khasi Pine **B.** Gamari

C. Sal **D.** Macri Sal

125. Which is the Longest river in Meghalaya?

A. Umiam **B.** Simsang

C. Umtrew **D.** Umngot

126. High altitude cash crop in Meghalaya is

A. Paddy **B.** Potato

C. Orange **D.** Pineapple

127. Cherry tree blooms in Meghalaya during which season

A. Winter **B.** Spring

C. Summer **D.** Autumn

128. The District police Chief in Meghalaya is called as _____

A. Superintendent of Police

B. Deputy superintendent of police

C. Additional Superintendent of Police

D. None of the above

129. Children's day is celebrated to commemorate the birthday of

A. Chacha Nehru **B.** Sardar V B Patel

C. Dr Rajendra Prasad **D.** L B Shastri

130. Which type of Extinguisher is used for Petroleum fire?

A. Foam Type **B.** Soda Acid Type

C. Powder Type **D.** Water Type

131.How many seats does Meghalaya have in the Rajya Sabha?

A. 1 **B.** 2

C. 3 **D.** 4

132. Meghalaya Legislative Assembly has how many Members?

A. 40 **B.** 60

C. 45 **D.** 90

133. How many Autonomous District Councils are there in Meghalaya?

A. 3 **B.** 4

C. 5 **D.** 6

134. Some of the harvest festivals of India is

A. Bihu **B.** Baisakhi

C. Pongal **D.** All of the above

135. At present BRAHMOS missiles are assembled at

A. Bengaluru **B.** Hyderabad

C. Chandipur **D.** Sriharikota

136. What is the height of Shillong Peak above the Mean sea level?

A. 1525 m **B.** 1956 m

C. 1966 m **D.** 1991 m

137. Bermuda triangle is located in which ocean?

A. Atlantic **B.** Indian

C. Pacific **D.** Arctic

138. Which is the largest Tropical Rain forest in the world?

A. Amazon **B.** Bosawas

C. South East Asian Rain Forest **D.** Daintree Rain

139. Who is the first man to go to space

A. Alexei Leonor **B.** Yuri Gagarin

C. Neil Armstrong **D.** Peter Habeller

140. Lovelina Borgohain won bronze medal in Tokyo Summer Olympics 2021 in

A. Javelin **B.** Boxing

C. Athletics **D.** Swimming

141. Ravi Kumar Dahia won silver medal In Tokyo Summer Olympics 2021 in

A. Wrestling **B.** 100 metres

C. Weight lifting **D.** Skateboarding

142. SARS CoV2 causes

A. MERS Disease **B.** Common Cold

C. Influenza **D.** CoVID 19

143. Entamoeba causes Amoebiasis commonly known as

A. Dysentery **B.** Taeniasis

C. Typhoid **D.** Cholera

144. Swine flu is caused by

A. Virus **B.** Bacteria

C. Fungus **D.** None of the above

145. The rarest blood group is

A. O Negative **B.** O Positive

C. AB Negative **D.** B Positive

146. NDPS Act, 1985 frequently appears in the news relating to

A. Narcotic drug **B.** Human trafficking

C. Medicine Smuggling **D.** Smuggling of Cattle

147. For how many constituencies , bye-election was held recently in the month of October 2021 in Meghalaya

A. 1 **B.** 2

C. 3 **D.** 4

148. Inheritance of property and lineage of children in Meghalaya runs through a system known as

A. Matriarchal system **B.** Matrilineal system

C. Patriarchal system **D.** Patrilineal system

149. Dinosaurs bones found in which district of Meghalaya

A. East Khasi Hills **B.** South Garo Hills

C. West Khasi Hills **D.** West Jaintia Hills

150. CAA stands for

A. Citizen(Atrocities) Act

B. Citizenship (Abrogation) Act

C. Citizenship (Amendment) Act

D. None of the above

Space for Rough Work