

MAI BHAGO ARMED FORCES PREPARATORY INSTITUTE FOR GIRLS
MOHALI

Marks: 400

MAY 2023

Time 120 minutes

ROLL NO:-----	SIGNATURE:-----
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INSTRUCTIONS FOR CANDIDATES

1.	Before attempting the paper, carefully read all the Instructions & Examples given on Side 1 of Answer Sheet (OMR Sheet) supplied separately.
2.	At the start of the examination, please ensure that all pages of your Test Booklet are properly printed; your Test Booklet is not damaged in any manner and contains 100 questions. In case of any discrepancy, the candidate should immediately report the matter to the Invigilator for replacement of the Test Booklet. No claim in this regard will be entertained at a later stage.
3.	An OMR Answer Sheet is being provided separately along with this Test Booklet. Please fill up all relevant entries like Roll Number, Test Booklet Code etc in the spaces provided on the OMR Answer Sheet and put your signature in the box provided for this purpose.
4.	Make sure to fill the correct Booklet Code on Side 2 of the OMR Answer Sheet. If the space for the Booklet Code is left blank or more than one Booklet Codes are indicated, it will be deemed to be incorrect Booklet Code and thus, the Answer Sheet will not be evaluated. The Candidate herself will be solely responsible for all the consequences arising out of any error or omission in writing the Test Booklet Code.
5.	This Test Booklet comprises 10 pages containing 100 questions in two Sections of 50 questions each. Section I includes questions on General English and Section II includes questions on General Awareness. A total of 120 minutes will be given to solve the Test Paper. No separate indication will be given with respect to any Section. Against each question, four alternatives (1), (2), (3), (4) are given, out of which only one is correct. Indicate your choice of answer by darkening the circle with BLACK/BLUE pen in the OMR Answer Sheet supplied to you separately. Use of pencil is NOT ALLOWED. More than one answers indicated against a question will be deemed as incorrect response.
6.	The maximum marks are 400. Each question carries FOUR marks. Each right answer will carry four marks. There will be NEGATIVE MARKING . One mark will be deducted for every wrong answer.
7.	Do not fold or make any stray marks on the OMR Answer Sheet. Any stray marking or smudge on the OMR Sheet will be taken as wrong answer. Any damage to OMR Answer Sheet may result in disqualification of the candidate.
8.	On completion of the test, the candidate must hand over the OMR Answer Sheet to the invigilator on duty in the examination hall.
9.	Use of Mobile phone or any other similar electronic gadget is not permitted.
10.	All belongings must be kept outside the Examination Hall. Other than the Admit Card, no other paper of any kind can be retained while taking the Test.

SECTION I: GENERAL ENGLISH

(50 Questions – 200 Marks; Minimum 50 Marks to Qualify; Minus 1 Mark for every wrong Answer)

	<p>Directions (Q. Nos. 1-5) You have one brief passage with five questions following the passage. Read the passage carefully and choose the best answer to each question out of the four alternatives.</p> <p>It is no doubt true that we cannot go through life without sorrow. There can be no sunshine without shadow, we must not complain that roses have thorns but rather be grateful that thorns bear flowers. Our existence here is so complex that we must expect much sorrow and suffering. Yet, it is certain that no man was ever discontented with the world where he did his duty in. The world is like a looking glass; if you smile, it smiles; if you frown, it frowns back. Always try to look at the bright side of things. There are some persons whose very presence seems like a ray of sunshine and brightens the whole room. Life has been described as a comedy to those who think and a tragedy to those who feel.</p>
1.	<p>The author says that we cannot go through life without sorrow because _____.</p> <p>(1) it is our fate. (2) we are always discontented. (3) life is a tragedy. (4) human life is very complex.</p>
2.	<p>According to the author, no man can be discontented with the world if he _____.</p> <p>(1) is determined to be happy. (2) is sincere in discharging his duties. (3) has a healthy attitude to life. (4) likes sunshine.</p>
3.	<p>The expression 'Life is a tragedy to those who feel' means that it is a tragedy to those who _____.</p> <p>(1) think about the world. (2) believe in fate. (3) do not understand the world. (4) are sensitive and emotional.</p>
4.	<p>The author says, "There are some persons whose very presence seems like a ray of sunshine and brightens the whole room". The reason for this is that, they _____.</p> <p>(1) have the capacity to love. (2) talk more of roses and less of thorns. (3) are happy and spread happiness. (4) look good and behave well.</p>
5.	<p>What is the author's message in this passage?</p> <p>(1) Look at the bright side of things. (2) Our existence is very complex. (3) The world is a looking glass. (4) Expect much sorrow and suffering</p>
	<p>Directions (Q. Nos. 6-10) You have one brief passage with five questions following the passage. Read the passage carefully and choose the best answer to each question out of the four alternatives.</p> <p>When we talk of education in our present age, we think largely in terms of schools and colleges. The man who is well-to-do, spends money in sending his son to foreign lands, with the belief that some wonderful process will take place there transforming a dull fellow into a genius. Yet, the products of expensive schools and universities often fail to make good. On the other hand, the poor man who has struggled against adversity often earns the highest honour. The fact is that the true background of early education is the home. The home, the influence of the mother, the inspiring examples that are held before the child at an age while he is impressionable are the true groundwork of character.</p>
6.	<p>According to the passage, who helps in our character building?</p> <p>(1) A foreign university (2) A well-to-do man (3) Examples that inspire (4) A man who has earned honour</p>

7.	The proper background of early education is _____. (1) a school (2) a college (3) a religious institution (4) the home
8.	From the passage, we get an impression that the highest honour is earned by _____. (1) a man who has received education in a foreign country. (2) a man who has struggled against adversity. (3) a man who has seen prosperity alone. (4) the son of a prosperous man.
9.	A well-to-do man sends his son to foreign lands _____. (1) because it is the fashion of the day. (2) in the belief that his dull son will be transformed into a genius. (3) so that the son may learn the customs of those countries. (4) in order to make his son familiar with the persons and places of those countries.
10.	The expression "the products of expensive schools and universities often fail to make good" means _____. (1) they fail to make a mark in life. (2) they fail to become intelligent. (3) they fail to earn proper living. (4) they do not earn good reputation.
Directions: Out of the four options, choose the word closest in meaning to the given word.	
11.	MOROSE (1) annoyed (2) moody (3) gloomy (4) displeased
12.	MOMENTOUS (1) transient (2) fleeting (3) temporary (4) monumental
13.	HARBINGER (1) messenger (2) steward (3) forewarning (4) pilot
14.	ERRONEOUSLY (1) previously (2) wrongly (3) effectively (4) evidently
15.	CAPITULATE (1) repeat (2) execute (3) summarise (4) surrender
Directions: Out of the four options, choose the word which is near opposite in meaning to the given word.	
16.	DESPICABLE (1) outbreak (2) escape (3) respectable (4) breakout
17.	CONCEDE (1) yield (2) permit (3) deny (4) hide
18.	IMPEDE (1) obstruct (2) advance (3) linger (4) guarantee
19.	ADEPT (1) ignorance (2) inept (3) lacuna (4) inexperience
20.	ZEAL (1) apathy (2) vigour (3) passion (4) simplicity

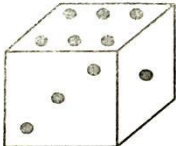
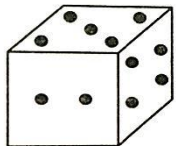
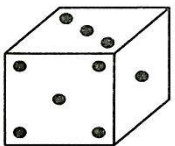
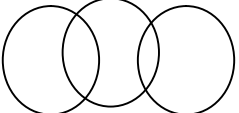
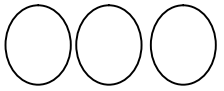
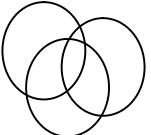
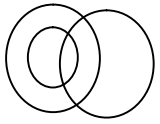
	Directions: In the following questions, four options are given for each of the given sentences. Choose the one that correctly states the meaning of the given idiom.
21.	On the issue of marriage, Sarita <u>put her foot down</u> . (1) stood up (2) got down (3) was firm (4) walked fast
22.	The company's operations in Japan are now <u>in the black</u> . (1) showing a financial loss (2) profitable (3) illegal (4) in black colour
23.	The all-party meeting was <u>a damp squib</u> . (1) a secret (2) a foolish idea (3) a complete failure (4) very impressive and effective
24.	My parents always told me to choose my battles wisely, which is why I prefer to <u>let sleeping dogs lie</u> most of the time. (1) to avoid restarting a conflict (2) to act in a frenzied manner. (3) to forget about an argument or a disagreement (4) to remain quiet
25.	Come on, children! <u>Rise and shine!</u> We're going to the beach. (1) time to get out of bed and get ready for the day (2) try very hard to understand or do something (3) to go down a course of action that leads to a bad outcome. (4) prepare yourself for the worst
	Directions: Each question has a passage comprising six sentences. The first and the last sentences are numbered 'S1' and 'S6' respectively. The middle four sentences in each passage have been jumbled up. These are labelled P, Q, R and S. Find out the proper order for the four sentences.
26.	S1: Education, it is believed, is inseparable from our societal aspirations. P: Education, as many would argue, was for realisation of the Ultimate and the Absolute. Q: In ancient times, for example, there was a distinctive spiritual meaning associated with education. R: As these aspirations/world views undergo a process of transformation with the changing times, so does the meaning of education. S: It was to overcome the finiteness of existence: all earthly temptations and desires. S6: But, for a modern / technical mind, this preoccupation with supreme spiritual knowledge may not hold such fascination. (1) RPSQ (2) SRQP (3) QRPS (4) RQPS
27.	S1: Folk tales offer lots of advice. P: Most of them deliver the message clearly. Q: The reason was that he was not properly dressed. R: There is a story of Birbal not being allowed to attend the king's free lunch. S: This happened despite his high intellectual abilities. S6: The advice thus conveyed is 'Don't judge a book by its cover.' (1) RSPQ (2) PQSR (3) QSRP (4) PRQS

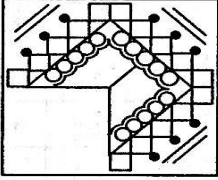
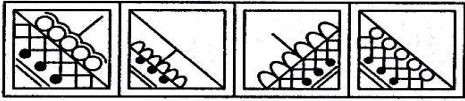
28.	<p>S1: The art of growing old is one which the passage of time has forced upon my attention. P: One of these is undue absorption in the past. Q: One's thought must be directed to the future and to the things about which there is something to be done. R: Psychologically, there are two dangers to be guarded against in old age. S: It does not do good to live in memories, in regret for the good old days, or in sadness about friends who are dead.</p> <p>S6: This is not always easy as one's own past is gradually increasing weight.</p> <p>(1) QSRP (2) RPQS (3) RPSQ (4) QPRS</p>
29.	<p>S1: We now know that the oceans are very deep. P: For example, the Indian ocean has a range called the Indian Ridge. Q: Much of it is fairly flat. R: However, there are great mountain ranges as well. S: On an average, the bottom is 2.5 miles to 3.5 miles down.</p> <p>S6: This reaches from India to the Antarctic.</p> <p>(1) SQPR (2) PQSR (3) RSQP (4) SQRP</p>
30.	<p>S1: It is far better to live for a short while P: contribution to the world Q: and make some significant R: that is just idled away S: than spend a long life</p> <p>S6: in gossiping and playing.</p> <p>(1) RQSP (2) SQPR (3) QPSR (4) RQPS</p>
Directions: Out of the four given options choose the word which is correctly spelt.	
31.	(1) Fahrenheit (2) Farenhiet (3) Farenheit (4) Fahrenhiet
32.	(1) Millonaire (2) Millionare (3) Millonare (4) Millionaire
33.	(1) Ommineous (2) Omineous (3) Ominous (4) Omenous
34.	(1) Vetarinary (2) Veteninary (3) Vetinary (4) Veterinary
35.	(1) Survaillance (2) Surveillance (3) Survellance (4) Surveilance
Directions: Pick out the most effective word from those given at the end of each sentence to fill in the blank to make the sentence meaningfully complete.	
36.	<p>Nadheeka was musing _____ memories of the past.</p> <p>(1) over (2) about (3) on (4) from</p>
37.	<p>Each school has its own set of rules _____ all good pupils should follow them.</p> <p>(1) but (2) or (3) so (4) and</p>
38.	<p>On my return from a long holiday, I had to _____ with a lot of work.</p> <p>(1) catch on (2) catch up (3) make up (4) take up</p>
39.	<p>Heavy fines and jail sentences have made _____ difference in preventing elephant poaching for their tusks.</p> <p>(1) little (2) few (3) a little (4) None of these</p>

40.	The girls have been practicing _____ three hours now. (1) for (2) from (3) since (4) over
	Directions: In the given questions, the sentences are divided into four parts marked 1, 2, 3 and 4. One of the parts may have a grammatical error. Pick out the part that has an error. Pick option 4 if there is no error.
41.	<u>If he did not know</u> / <u>what to do</u> / <u>he would have asked us.</u> / <u>No error</u> (1) (2) (3) (4)
42.	<u>The officer is angry on the clerk</u> / <u>for not completing the job</u> / <u>on time.</u> / <u>No error</u> (1) (2) (3) (4)
43.	<u>If you will come tomorrow</u> / <u>we shall go to the market</u> / <u>and do our shopping together.</u> / <u>No error.</u> (1) (2) (3) (4)
44.	<u>I was taken with surprise</u> / <u>when I saw</u> / <u>the grand Burj Khalifa</u> / <u>No error</u> (1) (2) (3) (4)
45.	<u>To die with honour</u> / <u>is better than</u> / <u>live with dishonor.</u> / <u>No Error.</u> (1) (2) (3) (4)
	Directions: In the given passages a few words have been left out. Fill in the blanks by choosing the most appropriate word from the options given for each blank. Primary school enrolment in India has been a success story, (46) _____ due to various programmes and drives to increase enrolment even in remote areas. With enrolment reaching at least 96 percent since 2009, and girls (47) _____ up 56 percent of the new students between 2007 and 2013, it is clear that many (48) _____ of access to schooling have been (49) _____. Improvement in infrastructure has been the (50) _____ behind achieving this and now in India 98 percent habitations have a primary school within one kilometre and 92 percent have an upper primary school within a three kilometre walking distance.
46.	(1) properly (2) totally (3) optionally (4) largely
47.	(1) coming (2) reaching (3) counting (4) making
48.	(1) issue (2) opportunities (3) problems (4) efforts
49.	(1) accustomed (2) addressed (3) met (4) forwarded
50.	(1) mains (2) forced (3) force (4) compulsion

SECTION II: GENERAL AWARENESS**(50 Questions – 200 Marks; Minimum 50 Marks to Qualify; Minus 1 Mark for wrong every Answer)**

51.	At Srinagar, starting at 9.00 AM on a certain day, snow began to fall at a rate $1\frac{1}{4}$ inches every two hours until 3.00PM. If there was already $2\frac{1}{4}$ inches of snow on ground at 9.00 AM, how many inches of snow was on the ground at 3.00PM that day? (1) $3\frac{3}{4}$ (2) 6 (3) 7 (4) $6\frac{1}{2}$
52.	The average salary of male employees in a firm was ₹ 5200 and that of female employees was ₹ 4200. The mean salary of all employees was ₹ 5000. What is the percentage of female employees? (1) 80% (2) 20% (3) 40% (4) 30%
53.	A person bought pens at 25 for a rupee and sold at 15 for a rupee. What is his profit percent? (1) $16\frac{2}{3}\%$ (2) $33\frac{1}{3}\%$ (3) $66\frac{2}{3}\%$ (4) 40%
54.	A car worth ₹ 1,50,000 was sold by Gauri to Juhi at 5% profit. Juhi sold the same car back to Gauri at 2 % loss. In the entire transaction :- (1) Gauri gained ₹ 4350 (2) Gauri lost ₹ 4350 (3) Gauri gained ₹ 3150 (4) Gauri lost ₹ 3150
55.	In a class of 50 students, 40% are girls. The average weight of boys is 62 Kgs and average weight of girls is 58 Kgs. What is the average weight (in Kgs) of the whole class? (1) 60.4 (2) 62.2 (3) 60.8 (4) 60.6
56.	A circular wire of length 168cm is cut and bent in the form of a rectangle whose sides are in the ratio 5:7. What is the length (in cm) of the diagonal of the rectangle? (1) $\sqrt{4127}$ (2) $\sqrt{3137}$ (3) $\sqrt{1813}$ (4) $\sqrt{3626}$
57.	₹ 1000 is invested at 5% per annum simple interest. If the interest is added to the principal after every 10 years, the amount invested will become ₹ 2000 after:- (1) 15 years (2) $16\frac{2}{3}$ years (3) $18\frac{2}{3}$ years (4) 20 years
58.	A certain principal amount is charged at a rate of 10% compound interest for two years and the amount becomes ₹ 605. The principal amount is :- (1) ₹450 (2) ₹500 (3) ₹550 (4) ₹530
59.	A man spends a part of his monthly income and saves a part of it. The ratio of his expenditure is 16 : 3. If his monthly income is ₹ 28500, what is the amount of his monthly savings? (1) ₹4000 (2) ₹4500 (3) ₹5000 (4) ₹4250
60.	The total number of boys in a school is 16 % more than the total number of girls in the school. What is the respective ratio of the total number of boys to the total number of girls in the school? (1) 25:21 (2) 29 : 35 (3) 29 : 25 (4) None of these
61.	Which of the following satellite is a Sun- Synchronous satellite? (1) Polar satellites (2) Geostationary satellite (3) Geosynchronous satellite (4) None of the above.
62.	A number is as much greater than 36 as is less than 86. Find the number. (1) 61 (2) 71 (3) 81 (4) 51
63.	Who is the Vice President of India:- (1) Bhairon Singh Shekhawat (2) Satya Pal Malik (3) M Venkaiah Naidu (4) Jagdeep Dhankhar

64.	<p>Choose the correct alternative: PROTEINS : GROWTH :: CARBOHYDRATES : ? (1) Energy (2) Strength (3) Resistance (4) Disease</p>
65.	<p>Choose the correct alternative RAJESHWARI : DIGBOI : ANKLESHWAR (1) They are famous for oil field (2) They are religious places (3) They are tourist places of south India (4) They are famous for handlooms</p>
66.	<p>In a coding system PEN is written as NZO and BARK as CTSL . How we can write PRANK b in the coding system? (1) CSTZN (2) NSTOL (3) NTSLO (4) NZTOL</p>
67.	<p>Two buses start from the opposite points of a main road, 150 KMs apart. The first bus runs for 25 KMs and takes a right turn and then runs for 15 KMs. It then turns left and runs for another 25 KMs and takes the direction back to reach the main road In the mean time, due to minor breakdown, the other bus has run only for 35 KMs along the main road What would be the distance between the two buses at this point? (1) 65 (2) 75 (3) 80 (4) 70</p>
68.	<p>One morning after sunrise, Palvi and Mannat were talking to each other face to face at Matka Chowk. If Palvi's shadow was exactly to right of Mannat , which direction Palvi was facing? (1) South (2) North (3) East (4) Data inadequate</p>
69.	<p>Arrange the given words in the sequence in which they appear in the dictionary and then choose the correct sequence:- 1. WOUND 2. WRITER 3. WHITER 4. WORST 5. WORKED (1) 1 , 4 , ,3, 5, 2 (2) 3 , 1 , 2 , 4 , 5 (3) 3 , 5 , 4 , 1, 2 (4) 5 , 3 , 2, 1 , 4</p>
70.	<p>From the given three positions of a single dice, find the number of dots at the face opposite to the face having 5 dots.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>I</p> </div> <div style="text-align: center;">  <p>II</p> </div> <div style="text-align: center;">  <p>III</p> </div> </div> <p>(1) 1 (2) 2 (3) 4 (4) 6</p>
71.	<p>Which of the following diagrams indicates the best relationship between Smokers, Lawyers and Non-smokers</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>A</p> </div> <div style="text-align: center;">  <p>B</p> </div> <div style="text-align: center;">  <p>C</p> </div> <div style="text-align: center;">  <p>D</p> </div> </div> <p>(1) A (2) B (3) C (4) D</p>

72.	<p>Problem Figure</p>  <p>Answer Figures</p>  <p>A B C D</p> <p>(1) A (2) B (3) C (4) D</p>
73.	<p>Which of the following book was written by B.R Ambedkar?</p> <p>(1) The Discovery of India (2) My Life (3) Buddha or Karl Marx (4) Hind Swaraj</p>
74.	<p>“... it has reduced us politically to serfdom. It has sapped the foundation of our culture.... It has degraded us spiritually”. This was Mahatma Gandhi complaining of the ill-effect on Indians of which action/policy of the colonial government?</p> <p>(1) Salt Tax (2) Inadequate franchise (3) Press Act (4) Rowlatt Act</p>
75.	<p>Guru Gobind was</p> <p>I. 10th Guru of the Sikhs II. Founder of Khalsa, the inner council of the Sikhs in 1699 III. Author of Dasam Granth</p> <p>Which of the following is correct?</p> <p>(1) Only I (2) Only II (3) Both I and III (4) I, II and III</p>
76.	<p>An individual who is not a member of either house of parliament can be appointed a member of the Council of Ministers, but he has to become a member of either house within a period of:</p> <p>(1) 1 month (2) 2 months (3) 3 months (4) 6 months</p>
77.	<p>Right to Information in India is a:</p> <p>(1) Fundamental Right (2) Legal Right (3) Both Fundamental and Legal Right (4) Neither Fundamental or Legal Right</p>
78.	<p>Money Bill:</p> <p>(1) Cannot be introduced in the Rajya Sabha (2) Has to be certified by the President (3) Can be amended by the Council of States (4) Both (1) and (2)</p>
79.	<p>In the absence of both the President of India and the Vice President of India, who shall act as the President of India?</p> <p>(1) Prime Minister (2) Speaker of the Lok Sabha (3) Chief Justice of the Supreme Court (4) Deputy Chairman of the Rajya Sabha</p>
80.	<p>Which of the following solutions will not change the color of blue litmus paper to red</p> <p>I. Acid Solution II. Base Solution III. Common Salt Solution</p> <p>Select the answer using the codes given below –</p> <p>(1) I and III (2) II and III (3) Only I (4) Only II</p>

81.	Which of the following is not correct about Baking Soda? (1) It is used in soda acid fire extinguishers (2) It is added for faster cooking (3) It is a corrosive base (4) It neutralizes excess acid in the stomach
82.	The main constituent of Gobar Gas is: (1) Ethane (2) Methane (3) Propane (4) Acetylene
83.	The phenomenon of mirage occurs due to which one of the following: (1) Polarisation of light (2) Dispersion of light (3) Diffraction of light (4) Total internal reflection of light
84.	Laser is a device to produce: (1) A beam of white light (2) Coherent light (3) Microwaves (4) X-Rays
85.	Which among the following colors has the highest wavelength: (1) Violet (2) Green (3) Yellow (4) Red
86.	Which of the following is not a semi-conductor: (1) Silicon (2) Germanium (3) Quartz (4) Gallium Arsenide
87.	The outside rear-view mirror of Modern Automobiles is marked with the warning "Objects in mirror are closer than they appear" Such mirrors are: (1) Plane mirrors (2) Concave mirrors with very large focal lengths (3) Convex Mirrors (4) Concave mirrors with very small focal lengths
88.	Photosynthesis generally takes place in which part of the plant? (1) Leaf and other chloroplast bearing parts (2) Stem and leaf (3) Roots and chloroplast bearing parts (4) Bark and leaf
89.	Plants receive their nutrients mainly from: (1) Chlorophyll (2) Atmosphere (3) Light (4) Soil
90.	In a normal adult human, what is the rate of heartbeat per minute? (1) 72-80 (2) 70-75 (3) 80-97 (4) 82-87
91.	Which of the following is a non-renewable resource: (1) Solar Energy (2) Coal (3) Water (4) Fisheries
92.	Ozone Layer absorbs: (1) Infrared radiation (2) Ultraviolet radiation (3) X-Rays (4) Gamma Rays
93.	Sundarbans is the name of (1) Tropical forest (2) Tidal forest (3) Semi evergreen forest (4) Deciduous forest
94.	Which of the following countries has the longest international boundary with India: (1) Bangladesh (2) Bhutan (3) China (4) Pakistan
95.	Which one among the following is the equivalent rank of 'Wing Commander' of Indian Air Force in Indian Army? (1) Lieutenant (2) Captain (3) Lieutenant Colonel (4) Colonel
96.	Sardar Bhagwant Mann took oath as the _____ chief minister of Punjab. (1) 18 th (2) 16 th (3) 17 th (4) 15 th

97.	“Sultan Azlan Shah Cup” is associated with:- (1) Hockey (2) Badminton (3) Football (4) None of the these
98.	In which city did the 2 nd G20 Health Education Group under India’s G20 presidency was held? (1) Guwahati (2) Chandigarh (3) Srinagar (4) Amritsar
99.	Name of amateur women boxer of India who had won gold medal in 52 kgs flyweight category of 2022 Women’s World Boxing Championship? (1) Nikhat Zareen (2) Sarita Devi (3) Mary Kom (4) None of these
100.	Who is the Defence Minister of India? (1) Shri Manohar Parikar (2) Smt Nirmala Sitharaman (3) Shri Rajnath Singh (4) Shri Amit Shah

(For Rough Work)

(For Rough Work)