Section 1 - Basic Mathematics

	Section 1 - B
 Anil can do finish in 24 da starting, in how 	a piece of work in 16 days which Shashi can ys. If they work on alternate days with Anil many days the work will be finished?
A) 15 days	will be liftished?
B) 17 days	

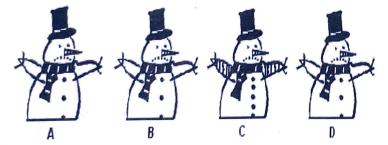
- B) 17 days
- C) 18 days
- D) 19 days
- 2) Three identical discs have one side painted in blue color and the other in green color. These three discs are tossed simultaneously. What is the probability of getting more blue faces than the green faces, when tossed?
- A) 3/4
- B) 1/4
- C) 1/2
- D) 1/3
- 3) A circle is inscribed in an equilateral triangle of side 20 cm, touching its sides. What is the area of the circle?
- A) 50π cm²
- B) 50π/3 cm²
- C) 100π/3 cm²
- D) 100π cm²
- 4) The probability of getting exactly 4 tails when 6 unbiased coins are tossed is
- A) $\frac{15}{64}$
- C) $\frac{3}{32}$
- D) $\frac{31}{32}$
- 5) 4 years ago, Swapna's mother was 3 times as old as Swapna. After 6 years she will be twice as old as Swapna. Present age (in years) of Swapna's mother is
- A) 39
- B) 36
- C) 34
- D) 24

- 6) If A's income is 60% more than that of B's income, then by how much percent is B's income less than that of A?
- A) 25.5
- B) 37.5
- C) 60
- D) 80
- 7) P alone can finish a job in 12 days while Q can do so in 16 days. With the help of R, they have finished the job in 4 days for a contract price of ₹ 1,200. How much should R get out of it?
- A) ₹ 300
- B) ₹ 400
- C) ₹ 500
- D) ₹ 600
- 8) The smallest number that leaves remainder 7 when divided by 35, 56 and 91, is
- A) 2345
- B) 3647
- C) 3847
- D) 4547
- 9) What percentage of 60 is 12?
- A) 12
- B) 16
- C) 20
- D) 24
- 10) The price of each apple is ₹ 10 and that of each mango is ₹ 15. If a bag contains 40 apples and 20 mangoes, then what is the approximate average price per fruit in the bag?
- A) ₹ 12.5
- B) ₹ 11.7
- C) ₹ 10.5
- D) ₹ 9.6
- 11) If the speed of Anil and Barun are 40 m/s and 40 km/hr respectively, then the ratio of time taken to cover a certain distance by them is
- A) 1:1
- B) 5:18
- C) 1:2
- D) 18:5

12) What is the distance transit		17) Average age of a group of 10 students is 12 y 5 new students join them, then the average age of t	ears. II
12) What is the distance travelled by the tip of hand of a wall clock in 2 days if the length of hand is 7 cm?	of the minute	17) Average age of a group of 10 students is 12 y 5 new students join them, then the average age group increases by 1 year. The average age of t	of live
nand is 7 cm?	of the minute	17) Average age of a group of 10 students to age 5 new students join them, then the average age of t group increases by 1 year. The average age of t students is	he
A) 88 cm		group increases by 1 year. The average	
B) 528 cm		students is	
C) 2112 cm		A) 12 years	
D) 4224 cm		A) 13 years	
5) -224 CM		B) 15 years	
13) Two out of	9.0	C) 16 years	
13) Two cylinders of same volume have their ratio 3:1. What is the ratio of their heights?	r radii in the	D) 18 years	g years
ratio 3:1. What is the ratio of their heights?	. radii iii tile	18) Sum of the ages of father and son is 68. After father will be thrice as old as son. The pres	ent age
A) 1:3		18) Sum of the ages of father and son is 68. After father will be thrice as old as son. The present of the son is	5011
B) 3:1		(in years) of the son is	161
C) 1:9	*/		
D) 9:1		A) 18	
D) 9:1		B) 16	
44)		C) 15	
14) The ages of A, B and C are 8 years	10 months	D) 13	
	ctively. What		A CONTRACTOR OF THE PARTY OF TH
is the average age of A, B and C?		19) A's present age in years is 20% of B's	age. After
A) 10 years 2 months		30 years, A's age will be 1/2 of B's. The sum of the	ne present
B) 12 years 2 months		ages of A and B is	
B) 12 years 3 months		And the second	
C) 13 years 6 months		A) 40 years	
D) 13 years 9 months		B) 60 years	
	10.7777	C) 80 years	
15) If $a:b=5:7$, then the ratio $(5a+7b):($	(3a + 4b) is	D) 100 years	
A) 43:74			
		20) When 2 unbiased dice are rolled, what is the	probability
B) 76:43		that the sum on the top of the faces is greater that	an 10?
C) 74:43			
D) 43 : 76		A) 1/12	
		B) 1/6	
16) Seeta and Geeta had certain number of	of chocolates	C) 1/4	
with them. If Geeta gives 5 chocolates to Seet		D) 1/2	
the chocolates with Geeta and Seeta will be 3:			
Seeta gives 5 chocolates to Geeta, then the	e ratio of the		
chocolates with Geeta and Seeta will be 4:1	 How many 		
chocolates Geeta had initially?			
A) 05			
A) 35			
B) 25			
C) 20			
D) 15			
-,			

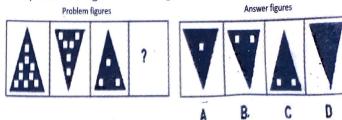
Section 2 - Basic Reasoning

- 21) 'P + Q' means P is the wife of Q. 'P Q' means P is the husband of Q. 'P + Q' means P is the son of Q. 'P \times Q' means P is the brother of Q. As per A \times Q + B + S + C, how is C related to A's Father?
- A) Brother
- B) Father
- G) Grandfather
- D) Son
- 22) Town A is towards the West of town B. Town C is towards the North of town A. Town E is towards the West of town C. Town E is towards which direction of town B?
- A) South-east
- B) North-west
- C) North-east
- D) South-west
- 23) In certain language, [RA SA HA] is coded as [&& ^^ **], [MA LA RA] is coded as [^^ %% ##], [SA MA RA] is coded as [%% ^^ **] and [MA HA LA] is coded as [%% && ##]. What is the code for "LA"?
- A) &&
- B) ##
- C) **
- D) ^^
- 24) In this question, out of the four figures, three are similar in a certain manner. However, one figure is NOT like the other three. Select the figure which is different from the rest.



- A) A
- B) B
- C) C
- D) D

25) Which of the figures given in the answer figures will complete the figural series given in the problem figures?



- A) A
- B) B
- C) C
- D) D
- 26) X starts walking from the place 'A'. He walks 4 km Eas and reaches place 'B', then turns right. After going 3 km straight he stops at the place 'C'. What is the shortes distance between 'A' and 'C'?
- A) 4 km
- B) 5 km
- C) 6 km
- D) 7 km
- 27) In a class of 180 students, 90 students speak Benga 70 students speak Marathi and 50 students do NOT spea any of these two languages. How many students speaboth the languages?
- A) 30
- B) 40
- C) 60
- D) 55
- 28) What is the next term in the given series?
- 21, 63, 252, 1260, ____
- A) 2470
- B) 7560
- C) 3056
- D) 9046

A) Nephew

B) Brother

C) Son

A) 14B) 16C) 21D) 19

D) Uncle

37) The missing term in the series

11, 10, ____, 27, 66.5, 198.5 is

Which letters represent the artists who are doctors as well

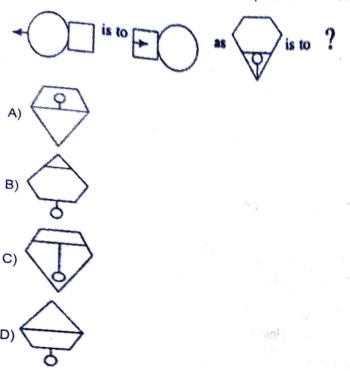
as dancers but not scientists?

A) L and H

B) G and C

C) G and H
D) C and H

38) Which of the following figures will complete the analogy given below?



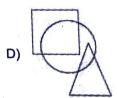
- 39) Meena walked 26.6 m to the South. She turns to her right and walks 19.5 m. Next she moves 23.4 m to her left. Next she moves 8.5 m to her left. How far is she from her starting point?
- A) 45.20 m
- B) 51.19 m
- C) 72.45 m
- D) 32.75 m

40) In this question, out of the four figures, three are sin a certain manner. However, one figure is NOT life other three. Select the figure which is different from rest.









Section	2	Danie	English
Section	-3 -	Hasic	English

Directions for Questions (41-45): Read the following passage and answer the questions: he gramophone is so common now, that we have ceased to wonder at it. Yet it is a truly wonderful invention; and even now, if we give it a thought, we cannot help marvelling hat it is possible to catch such a fleeting thing as sound, nd record it in such a way that it can be repeated and reproduced at will, so that we can actually hear the very vords and the tones of the voice of a man who died, it may he, vears ago. The uses of the gramophone, or talking machine, are many. Its main use is to give pleasure- all the pleasure that music can give. It is a great boon to music lovers who have little opportunity of hearing good music, such as those who live in small country places, or in foreign lands far from civilizations. Such people can listen to the voices of the greatest singers and the finest orchestras of the day; for the gramophone is now so perfect that a good machine reproduces the finest shades of tone and expression of human voice and of musical instruments. nt has, too, its educational uses, especially in teaching music and singing. A singer, by listening to a song sung by ome great master, can learn how that song should be sung; and he can have the song repeated over and over again, until he has mastered it. 1) Music lovers felt that the gramophone is a boon because they could A) be a part of the new civilization. B) listen to good music. C) popularise famous music. learn their favorite numbers. The gramophone is a wonderful invention because A it is common these days. it reproduces the exact picture. it catches a fleeting thing such as sound. it is used to capture the voice of a person who is dead. 43) The main use of a gramophone is to A) produce sound

S	ic English
	ic English 44) It is useful for students because it helps them to
	44) It is useful for some master it.
	A) repeat the song till they master it.
	B) listen to religious songer
	C) listen to special music. D) learn songs sung by dead people.
	The state of the s
	A) voices of the greatest singers and the finest orchestras R) only a shade of a tone
	A) voices of the greatest singers and the
	C) only emotions of human voice
	D) forgotten songs
	46) Fill in the blanks with the correct option:
	He confident even when he faces severe problems.
	A) remain
	B) were remaining
	C) have been remained
	D) remains
	47) Identify the synonym of the underlined word;
	The stream had cut a <u>rift</u> in the rock.
	A) Rig
	B) Tunnel
	C) Channel
	D) Crack
*	48) Choose the word that is spelt correctly and fill the blanks:
	A river can change its
	A) coursse
	B) corrse
	C) coarse
	D) course
	throbativities devicted and relative about the control of the cont
	49) Fill in the blanks with the correct option:
	the drainage pumps. windmill drives a
	A) An, No Article
	B) The, a
	C) No Article, an

D) A, No Article

record tones give pleasure offer solace

66 B	Capt
50) Fill in 45	55) Fill in the blanks with the correct option: series of elementary exercises
50) Fill in the blanks with the correct option:	55) Fill in the blanks with the correct option. This book contains series of elementary exercises
his left hand so typed with one hand.	for learners.
A) riad injured	A) a
B) injures	B) No Article
C) have injured	
D) injure	C) an D) the
51) Fill in the blank	56) Choose the word that is spelt correctly and fill the
51) Fill in the blanks with the correct option	56) Choose the word that is specified to the second that is sp
Even after	blanks:
same. years, everything has remained	He lacked the to take up the pass
A) much, all	A) confidanse
B) several, much	B) confidance
C) the, the	C) confidense
D) many, the	D) confidence
52) Identify the synony and the	57) Choose the antonym of the underlined word.
52) Identify the synonym of the italicised word:	The couple <u>fled</u> from home in the night.
The middle aged man is a brilliant lawyer.	A) arrived
A) Studious	B) deserted
B) Culpable	C) absconded
C) Stupid	D) retreated
D) Bright	
,g.i.c	58) Which of the following is a Declarative sentence?
53) Select the right antonym for the underlined word.	
	A) The sun rises in the east.
People do not mimic their idols, but adore them.	B) Please let me work.
A) praise	C) How hot it is!
	D) Have you done your home-work?
B) mock	
C) joke	59) Choose the answer option which will CORRECTLY f
D) ridicule	the blank:
	the people you invited are coming.
54) Fill in the blanks with the correct option:	A) A
And - 1 - 11 - 12 - 12 - 12 - 12 - 12 - 12	A) Any
All the best bargains were snapped up hours.	B) Each
	C) This
A) at	D) All
B) with	
c) within	60) Fill in the blanks with the correct option:
o) till	
	The children were scared when the train was passir a tunnel.
	A) in
	B) through
	C) over
	D) below

e

Section 4 - General Awareness and Science

- 61) Who among the following players won the French Open nnis Men's Singles Title in 2019?
- Kevin Anderson
- **Dominic Thiem**
- Rafael Nadal
- Novak Djokovic
- 62) Who among the following was the Chief Guest for the 2020 Republic Day celebrations in India?
- **Donald Trump**
- Ashraf Ghani
- Maithripala Sirisena
- Jair Messias Bolsonaro
- 63) As per the 2011 Census data, in which of the following union territories the female population outnumbers the male population?
- A) Chandigarh
- B) Lakshadweep
- C) Andaman and Nicobar
- D) Puducherry
- 4) Who among the following was awarded the Padma ibhushan-2020 for his/her exceptional and distinguished ervice in the field of Sports?
- A) P.V. Sindhu
- B) Jitu Rai
- (agan Narang
- Mary Kom
- 65) Which of the following communities celebrate the Hemis festival in honour of Guru Padmasambhava's birth anniversary?
- **Buddhists**
- Sikhs
- Christians
- **Parsis**
- The most commonly used bleaching agent for disinfecting drinking water supply is
- Phenyl
- Chlorine
- Alcohol
- Distilled water

- 67) Read the following statements and choose CORRECT option (i) Kashmiri language spoken in the Union Territory of Jammu and Kashmiri a
- Jammu and Kashmir is also known as Koshur.
- (ii) Kashmiri language is not included in the Eighth Schedule of the Indian Community Schedule of the Indian Constitution.
- A) (i) is TRUE and (ii) is TRUE
- B) (i) is TRUE and (ii) is FALSE
- C) (i) is FALSE and (ii) is TRUE
- D) (i) is FALSE and (ii) is FALSE
- 68) Which one of the following options is matched INCORRECTIVO INCORRECTLY?
- A) Fuel cell Chemical energy is converted into Electrical
- B) Loud speaker Sound energy is converted into
- C) Photovoltaic cell Light energy is converted into Electrical energy
- D) Electric motor Electrical energy is converted into Mechanical energy
- 69) Which of the following characteristic(s) of a sound wave determine the loudness of the sound?
- (i) Frequency
- (ii) Amplitude
- (iii) Timbre
- A) Only (i) and (ii)
- B) Only (iii)
- C) Only (ii)
- D) Only (i) and (iii)
- 70) Originally called "The Bombay Times and Journal of Commerce", this paper was founded in 1838 in Mumbai (then Bombay), to serve the British residents of western
- A) The Tribune
- B) The Times of India
- C) The Hindu
- D) The New Indian Express

- 71) Identify the INCORRECT match between the element and its corresponding chemical symbol.
- A) Calcium Ca
- B) Aluminium Al
- C) Sodium So
- D) Chlorine Cl
- 72) Identify the film which is India's official entry for Oscars 2020 under the Foreign Language Film category.
- A) Newton
- B) Mukti Bhawan
- C) Gully Boy
- D) Village Rockstars
- 73) Vitamins are substances that our body needs to grow and develop normally. The vitamin prepared in our body with the help of sunlight is
- A) Vitamin D
- B) Vitamin A
- C) Vitamin K
- D) Vitamin E
- 74) Identify the Wildlife Sanctuary in the Jammu and Kashmir region dominated by Bamboo Plantation.
- A) Nandini Wildlife Sanctuary
- B) Jasrota Wildlife Sanctuary
- C) Surinsar Mansar Wildlife Sanctuary
- D) Lachipora Wildlife Sanctuary
- 75) Who is the sixth Indian cricketer officially inducted into the ICC Hall of Fame in 2019?
- A) Sachin Tendulkar
- B) Rahul Dravid
- C) Anil Kumble
- D) Mahendra Singh Dhoni
- 76) Which of the following statements is FALSE with reference to Bahu Fort?
- A) It was originally constructed by Raja Bahulochan
- B) It houses a temple dedicated to the Hindu goddess Kali within its premises
- C) It is a historical fort situated on the banks of river Chenab
- D) It houses a royal garden called Bagh-e-Bahu

- 77) The theme for sixth International Yoga Day was:
- A) Yoga at Home Yoga for Peace
- B) Yoga for Health Yoga at Home
- C) Yoga for Climate Action
- D) Yoga for Harmony and Peace
- 78) During winter season, the Northeast Trade winds cause rainfall in which of the following regions of India?
- A) Gujarat region
- B) Tamil Nadu region
- C) Valley of Kashmir
- D) Upper Assam plains
- 79) Which among the following Union Territories is also the capital of two neighbouring states in India?
- A) Ladakh
- B) Chandigarh
- C) Delhi
- D) Puducherry
- 80) India achieved its best ever medal haul at the Asiar Games 2018. How many Gold medals did India win?
- A) 12
- B) 15
- C) 18
- D) 24
- 81) Given below is a sequence of districts of the unic territory of Jammu and Kashmir arranged in the North South direction. Identify the CORRECT option.
- A) Gandarbal-Anantnag-Ramban-Jammu
- B) Jammu-Anantnag-Ramban-Gandarbal
- C) Anantnag-Ramban-Jammu-Gandarbal
- D) Gandarbal-Anantnag-Jammu-Ramban
- 82) The act of transferring pollen grains from the many anther of a flower to the female stigma is called:
- A) Photosynthesis
- B) Polarization
- C) Pollination
- D) Polymerisation

- 83) Which of the following classical dance forms originated in Northern India?
- A) Kathak
- B) Bharatanatyam
- C) Mohiniyattam
- D) Kuchipudi
- 84) The Ozone gas found in which of the following layers of the atmosphere absorbs harmful UV radiations and prevents them from reaching the earth's surface?
- A) Troposphere
- B) Stratosphere
- C) Mesosphere
- D) Thermosphere
- 85) Identify the legislative act that sought to create political equality by vesting Indian judges with the power to try the Europeans or the British citizens residing in India.
- A) Morley-Minto Reforms
- B) Cripps Mission
- C) Pitts India Act
- D) Ilbert Bill
- 86) Which of the following teams won the FIFA World Cup2018?
- A) Germany
- B) France
- C) Croatia
- D) Brazil
- 87) Water pollution occurs when harmful substances like microorganisms contaminate a water body degrading the water quality and rendering it toxic to humans or the environment. Which one of the following diseases is NOT due to contamination of water?
- A) Malaria
- B) Tuberculosis
- C) Cholera
- D) Typhoid

- 88) Identify the CORRECT option with reference to the popular cuisine of Jammu and Kashmir region.
- (i) Kahwah A green tea prepared with different spices, walnuts or almonds and saffron
- (ii) Gushtaba A preparation of spicy yogurt gravy containing meatballs
- (iii) Nadru Yakhni Banana stems cooked with mild aromatic spices and yogurt
- A) (i) TRUE, (ii) FALSE, (iii) TRUE
- B) (i) TRUE, (ii) TRUE, (iii) FALSE
- C) (i) FALSE, (ii) TRUE, (iii) FALSE
- D) (i) FALSE, (ii) FALSE, (iii) TRUE
- 89) The paintings that adorn the walls and ceilings of the Ajanta and Ellora caves depict incidents from the life of lord
- A) Mahavir
- B) Buddha
- C) Parashurama
- D) Narsimha
- 90) Read the following statements and choose the CORRECT option.
- (i) Excavations by the Archaeological Survey of India have established the fact that Akhnoor was one of the last Bastion of Harappan Civilization and Manda.
- (ii) Akhnoor is believed to be the only early Buddhist site in Jammu, the excavations have found remains of Stupas and Buddhist terracotta.
- A) (i) is TRUE and (ii) is FALSE
- B) (i) is TRUE and (ii) is TRUE
- C) (i) is FALSE and (ii) is FALSE
- D) (i) is FALSE and (ii) is TRUE
- 91) Any princely state under the direct or indirect control of the East India Company where the ruler did not have a legal male heir would be annexed by the company. This policy was devised by
- A) Lord Curzon
- B) Lord Bentinck
- C) Lord Macaulay
- D) Lord Dalhousie

92) Kavaratti is the Territories in India?	capital	Of which	of the	following	Union
erritories in India?	-apital	or which	of the	following	Union

- A) Andaman and Nicobar
- B) Puducherry
- C) Lakshadweep
- D) Dadra and Nagar Haveli
- 93) Giddha is a popular folk dance performed only by the ladies. This dance is part of the culture of which of the following states in India?
- A) Maharashtra
- B) Gujarat
- C) Punjab
- D) Uttarakhand
- 94) This state was carved out of Madhya Pradesh in the year 2000. Identify the state and its capital from the following options.
- A) Jharkhand, Ranchi
- B) Chhattisgarh, Raipur
- C) Uttarakhand, Dehradun
- D) Telangana, Hyderabad
- 95) Where is Manas Tiger Reserve situated?
- A) Andhra Pradesh
- B) Karnataka
- C) Assam
- D) Arunachal Pradesh
- 96) Which of the following options is/are INCORRECT with reference to passes found in the Pir Panjal Range?
- (i) Hajipir pass
- (ii) Banihal pass
- (iii) Khardungla pass
- A) Only (i)
- B) Only (ii)
- C) Only (ii) and (iii)
- D) Only (iii)

42 of 16

97) Match the following:

Sports Person	Sports		
(i) Sania Mirza 🦠	(a) Badminton		
(ii) Saina Nehwal	(b) Billiards		
(iii) Pankaj Advani	(c) Wrestling		
(iv) Sakshi Malik	(d) Tennis		

A) (i) - (c), (ii) - (a), (iii) - (b), (iv) - (d)

B) (i) - (d), (ii) - (a), (iii) - (b), (iv) - (c)

C) (i) - (a), (ii) - (d), (iii) - (c), (iv) - (b)

D) (i) - (d), (ii) - (a), (iii) - (c), (iv) - (b)

- 98) The main block of Supreme Court building of India was designed by which of the following architects?
- A) Anant Damodar Raje
- B) Ganesh Bhikaji Deolalikar
- G) Vasanth Kamath
- D) Achyut Purushotham Kanvinde
- 99) Which of the following statements is/are INCORRECT?
- (i) All latitudes are great circles
- (ii) All longitudes are great circles
- (iii) Equator is a great circle
- (iv) Prime meridian is a great circle
- A) Only (i)
- B) Only (iv)
- C) Only (ii) and (iii)
- D) Only (iii) and (iv)
- 100) Which of the following monuments was built be Mughal emperor Akbar to commemorate the victory over Gujarat?
- A) Jama Masjid
- B) Buland Darwaza
- C) Red Fort
- D) Agra Fort