



University of Engineering & Management, Kolkata

Odd semester Examination, December, 2019

Course: BBA LLB Semester: 3rd

Paper Name: Skill Development for professionals-III

Paper Code: BLW(GS)381

Full Marks: 100

Time: 3 hours

Group-A

(Each question carrying one mark)

1. A seller calculated his intended selling price at 6% profit on the cost of a product. However, due to some mistake while selling, the units and tens digits of the selling price got interchanged. This reduced the profit by Rs. 180 and profit percentage to 2.4%. What is the cost price of the product?
A. Rs. 4500 B. Rs. 5000 C. Rs. 4750 D. Rs. 6000
2. A fruit vendor professes to sell fruits at the cost price, but uses false weights. He gains 40% in this manner. What weight does he substitute for one kilogram?
A. 745 1/3 g B. 750 g C. 714 2/7 g D. 800 g
3. A man buys milk at the rate of 5 rupees per litre and mixes it with water. By selling the mixture at Rs 4 a litre he gains 25 percent. How much water did each litre of the mixture contain?
A. 9/25 B. 11/25 C. 16/25 D. 19/25
4. A mixture containing milk and water in the ratio 3:2 and another mixture contains them in the ratio 4:5. How many litres of the later must be mixed with 3 litres of the former so that the resulting mixture may contain equal quantities of milk and water?
A. 3 3/4 litre B. 4 1/2 litre C. 5 2/3 litre D. 5 2/5 litre
5. At present, the respective ratio between the ages of A and B is 3:4 and that between A and C is 1:2. six years hence, the sum of A, B and C will be 96 years. what is the present age of A?
A. 12 years B. 24 years C. 19 years D. 18 years
6. A man spends 60% of his income. His income is increased by 20% and his expenditure also increases by 10%. Find the percentage decrease in his saving?
A. 10% B. 15% C. 20% D. 25%
7. A person can row 750 metres against the stream in 11 1/4 minutes and returns in 7 1/2 minutes. The speed of the person in still water is :
A. 2 km/hr B. 3 km/hr C. 4km/hr D. 5 km/hr
8. An escalator moves towards the top level at the rate of 11 ft.sec and its length is 140 feet. If a person walks on the moving escalator at the rate of 3 feet per second towards the top level, how much time does he take to cover the entire length.
A. 14 sec B. 10 sec C. 12 sec D. 8 sec
9. Amit and Ananthu can do a work in 15 days and 25 days respectively. Amit started the work and left after 3 days. Ananthu took over and completed the work. In how many days was the total work completed?
A. 28 days B. 20 days C. 23 days D. 25 days

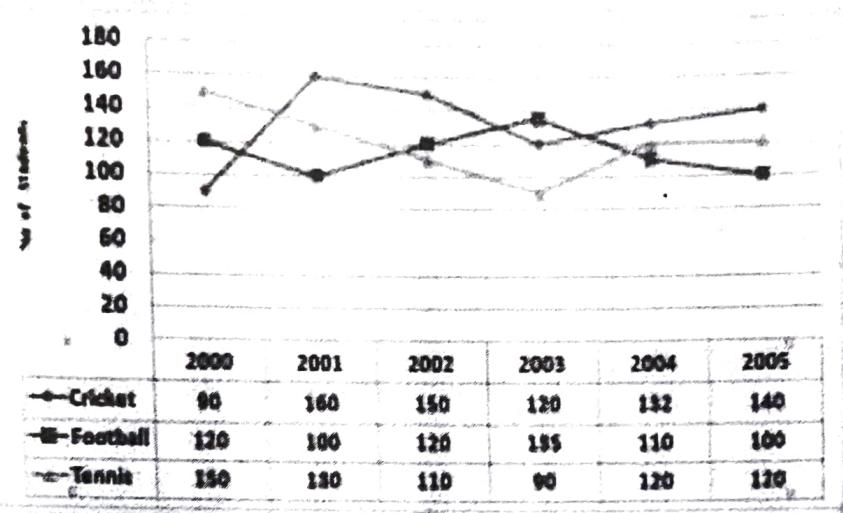
10. If A is thrice as fast as B and together can do a work in 21 days. In how many days A alone can do the work?
 A. 36 B. 42 C. 28 D. 54
11. 9 men can do a work in 12 days working 4 hours a day. In how many days can 6 men do the same work, working 8 hours a day?
 A. 18 B. 9 C. 10 D. 8
12. Two pipes can fill a tank in 12 minutes and 20 minutes respectively. Both pipes are opened together and after some time the first pipe is closed and the tank is full in totally 10 minutes. For how many minutes was first pipe open?
 A. 8 minutes B. 6 minutes C. 7 minutes D. 10 minutes
13. Two pipes can fill a tank in 15 minutes and 12 minutes. The outlet pipe can empty the tank in 20 minutes. If all the pipes are opened when, the tank is empty, then in how many minutes will it take to fill the tank?
 A. 12 B. 13 C. 11 D. 10
14. Praveen starts business with Rs.3500 and after 5 months, Hari joins with Praveen as his partner. After a year, the profit is divided in the ratio 2 : 3. What is Hari's contribution in the capital?
 A. Rs.7500 B. Rs.8000 C. Rs.8500 D. Rs.9000
15. A, B and C started a business with capitals of Rs.6000, Rs.8000, and Rs.10000 respectively. At the end of the year, the profit share of B is Rs1000. The difference between the profit shares of A and C is
 A. Rs. 400 B. Rs. 450 C. Rs. 500 D. Rs. 550
16. Rakesh invested an amount of Rs.12000 at the rate of 10% simple interest and another amount at the rate of 20% simple interest. The total interest earned at the end of one year on the amount invested became 14 p.c.p.a. Find the total amount invested.
 A. Rs.20000 B. Rs.22000 C. Rs.24000 D. Rs.25000
17. The population of cities A and B is equal. The population of city A increases in two successive years by 20% and 15% respectively and that of city B increases successively by 20% and 10% respectively. If the difference in the population of two cities after 2 years is 768, then what was the total population of the two cities initially?
 A. 12,800 B. 26,500 C. 24,600 D. 25,600
18. The population of a town increase annually by 20%. If the present population is 2,00,000, then what is the difference in population after two years and three years?
 A. 63,250 B. 48,800 C. 60,800 D. 57,600
19. $3x^2 - 4x - 4 = 0$, $4y^2 + 23y + 15 = 0$
 A. If $X > Y$ B. If $X < Y$ C. If $X \geq Y$ D. If $X \leq Y$
20. $3x^2 - 4x - 4 = 0$, $3y^2 + 14y + 8 = 0$
 A. If $X > Y$ B. If $X < Y$ C. If $X \geq Y$ D. If $X \leq Y$

Group – B

(Each question carrying one mark)

Directions(21-25): Study the following graph carefully to answer the given Questions

No of students(in hundred) who participated in three different sports in six different years



21.What is the difference between the no of players participating in Football in the year 2002 and the no of players participating in Cricket in the year 2005 ?

- A.1000 B.2000 C.2200 D.1700

22.The total no of players who participated in all the 3 sports together in the year 2004 was What % of the total no of players who participated in Tennis over all the years together(approx) ?

- A.50% B.45% C.47% D.53%

23. What was the average no of players who participated in Football over all the years together ?

- A.11417 B.11490 C.12476 D.10976

24. What was the % decrease in the no of players participating in Cricket in the year 2003 as compared to that in the year 2001 ?

- A.45% B.35% C.25% D. None

25. Find the ratio between the no of students participated in Cricket & Football in 2001 to the total no of students participated in Cricket and Tennis in 2004 ?

- A.20:17 B.65:63 C.60:43 D.55:52

Directions(26- 30) : Study the following information to answer the given questions

Dept	STAFF		STUDENTS	
	Number	M:F	Number	M:F
ECE	120	13:11	1800	7:11
EEE	80	9:7	1500	7:8
CSE	150	17:13	2200	9:13
IT	90	4:5	600	7:5
ME	140	4:3	1600	17:15
EIE	70	18:17	1200	9:11

M = male F = female

26.What is the ratio of total number of staff in ECE,EEE to the total no of students in CSE and IT ?

- A.14:1 B.1:14 C.1:12 D.1:17

27. The total no of male staff in IT and EIE is what % of the total number of staff in these 2 dept ?

- A.44.5% B.45.7% C.47.5% D.45.00%

28. Total no of female students in CSE is what % more than the male students in the same Dept ?

- A.44.45% B.40.76% C.40.75% D.40.66%

29. Find the number of female students in ME dept ?

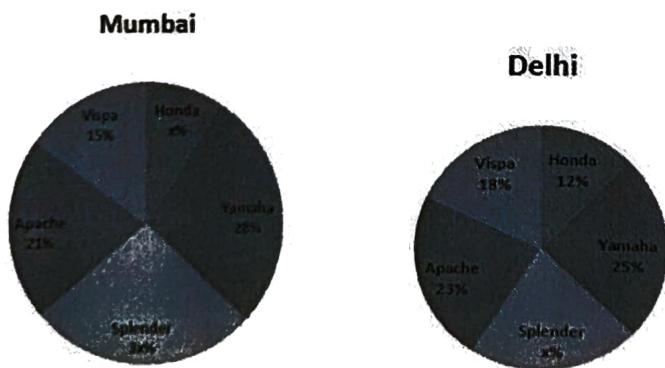
- A.850 B.650 C.150 D.750

30. Find the average of total no of staff in all the dept ?

- A.103.8 B.108.3 C.108.2 D.108

Directions(31-35):Study the following graph and table carefully to answer the given questions.

The pie-charts show the % of registration of different types of bikes in Mumbai and Delhi.Total no of bikes registered in Mumbai and Delhi is 15,000 and 35000



31. If no of Honda bikes registered in Mumbai is half of the % of Vispa bikes registered in Delhi. Find the total number of Honda bikes registered in Mumbai and Delhi together ?
A. 5500 B. 5550 C. 6050 D. 4050

32. Find the no of Splender bikes registered in Delhi ?
A. 7700 B. 5100 C. 6500 D. 4700

33. Which of the following bikes registration has the maximum difference between Delhi and Mumbai ?
A. Splender B. Yamaha C. Apache D. Vispa

34. What is the ratio of no of Vispa bikes registered in Mumbai to the no of Yamaha bikes registered in Delhi ?
A. 11:26 B. 24:7 C. 35:8 D. 9:35

35. Which of the following bikes registered maximum in Mumbai ?
A. Apache B. Honda C. Yamaha D. Splender

Direction(36-40): Each question is followed by two statements giving certain data. You have to decide whether the information provided in the statements is sufficient for answering the question.

Choice A: If the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone

Choice B: If the question can be answered by using either statement alone

Choice C: If the question can be answered by using both statements together but can't be answer by using either statement alone.

Choice D: If the question can't be answered even by using both statements together

36. What is the rate of interest per annum?

Statement I: A sum becomes doubles to itself at SI in 4 years

Statement II: The difference between CI and SI on an amount of Rs. 10,000 in 2 years is Rs.625

37. What is the circumference of a circle?

Statement I: Area of circle is half of the area of square.

Statement II: Ratio of the perimeters of square and circle is 2:1

38. What is the present age of Vijay?

Statement I: Present age of Vijay and his wife are in the ratio of 13:11

Statement II: After 5 years his age is 6 years more than his wife.

39. The average weight of A, B, C, D and E is?

Statement I: Average weight of A, B and C is 30

Statement II: Average weight of C, D and E is 40

40. Is c >0?

Statement I: $\sqrt{(b^2 - 4ac)} > 0$

Statement II: $4ac < 0$

Group-C
(Each question carrying 0.5 marks)

41. 9, 5, 6, 10.5, 23 ?

- A. 50 B. 65 C. 70 D. 60

42. 17, 98, 26, ?, 35, 80

- A. 79 B. 69 C. 89 D. 59

43. 2, 17, 89, 359, 1079, ?

- A. 2143 B. 2152 C. 2169 D. 2159

44. 7, 7, 13, 37, 97, ?

- A. 237 B. 247 C. 217 D. 227

45. 3, 5, 15, 45, 113, ?

- A. 253 B. 263 C. 243 D. 651

46. If FRAGRANCE is written as SBHSBODFG, how can IMPOSING be written?

- A. NQPTJHOJ B. NQPTJOHI C. NQTPJOHJ D. NQPTJOHJ

47. In a certain code, COMPUTER is written as RFUVQNPC, how is MEDICINE written in the same code?

- A. EOJDJEFM B. EOJDEJFM C. MFEJDJOE D. MFEDJJOE

Directions (48-49):

'P – Q' means 'P is the sister of Q'.

'P @ Q' means 'P is the wife of Q'.

'P % Q' means 'P is the son of Q'.

'P + Q' means 'P is the mother of Q'.

48. In the expression 'K @ H % M + B – T', what is the relation between 'B and K'?

- A. B is the mother-in-law of K
B. K is the aunt of B
C. B is the husband of K
D. B is the sister-in-law of K

49. What will come in the place of question mark, if it is provided that 'B is the daughter-in-law of K' in the expression 'B + P ? Z % K'?

- A. @
B. –
C. +
D. %

50. A woman walking with a boy meets another woman and on being asked about her relationship with the boy, she says, "My maternal uncle and his maternal uncle's maternal uncle are brothers." How is the boy related to the woman?

- A. Nephew
B. Son
C. Brother-in-law
D. Son or Nephew

Direction (51-54): There are 5 friends A, B, C, D and E standing randomly. B is to the northeast of E. D is 2km to the east of E, who is 6km to the west of A. C is to the northwest of D and in the line of EB. D is 4km the south of B.

51. In which direction is C with respect to A ?

- A. South west
- B. South east
- C. Northeast
- D. Northwest

52. In which direction is A with respect to B ?

- A. Southeast
- B. Southwest
- C. Northwest
- D. Northeast

53. What is the distance between D and A ?

- A. 5km
- B. 4km
- C. 6km
- D. 3km

54. What is the shortest distance between B and A?

- A. $5\sqrt{7}$ km
- B. $4\sqrt{2}$ km
- C. $6\sqrt{2}$ km
- D. $3\sqrt{5}$ km

Directions (55-57): Study the following information to answer the given questions:

In a certain code, 'make security in theme lists' is written as 'jo ti tis su nic', 'India make old regime' is written as 'die min tip ti', 'old lists with correction' is written as 'za tis die kee', and 'theme curbs regime' is written as 'tip ba nic'.

55. What is the code for 'security' ?

- A. jo
- B. ti
- C. tis
- D. Can't be determined

56. What does 'za' stand for?

- A. old
- B. lists
- C. correction
- D. Either with or correction

57. Which is the code for 'India curbs lists'?

- A. tis tic ba
- B. min tip tis
- C. ba min tis
- D. tis min nic

58. The minute hand and hour hand of a clock meet every 62 minutes. Does the clock gain or lose in 24 hours. And how much does it lose or gain?

- A. $66\frac{5}{11}$ minutes B. $72\frac{7}{11}$ minutes
C. $78\frac{74}{11}$ minutes D. $56\frac{65}{11}$ minutes

59. What angle is formed between the minutes hand and seconds' hand of clock if they are 25 minutes apart?

- A. 135° B. 110° C. 120° D. 150°

60. If 10th June, 2001 is Sunday then what day of the week lie on 10th June, 2004 ?

- A. Monday B. Tuesday C. Wednesday D. Thursday

61. Statements: A≤H, G≥H; G>M; O≤M

Conclusions: I. G≥A II. G≥O III. H>M IV. H≤G

- A. Only I, II and III are true B. Only II is true C. Only I is trueD. Only I and IV are true

62. Statement : P ≥ Q > R < S ≤ T

Conclusion: I. T > R II. T > Q III. R < P IV. Q > P

- A. Only I is trueB. Only II is true C. Only I and III are true D. Only I and IV are true

63. In which of these expressions 'T > P' and 'T = P' be definitely false?

- A. T≥S≥P≥Q=G≥R>V B. P<A≤S≤T; V≥O>T C. V≤A≤L=R<S D. S>C>=F≤H=P≤Q=T; V<F

64. Statements: No Almond is Rice. Some Dust are Almond. Some Dust are not Flax.

Conclusions:

- I. Some Dust are not Rice.
II. Some Flax are not Dust.
III. Only Dust is Flax is a possibility.
A. Only I follows B. Only II follows C. Only I and either II or III follow D. Only I and II follow

65. Statements: Some Queen are Jack. All Night are Moon. Some Jack are Night. Some King are Moon

Conclusions:

- I. Some Queen are King
II. Some King are not Queen.
III. Some Moon are Jack is a possibility.
A. Only I and III follow B. Only II follows C. Only either I or II follow
D. Only III follows

Directions (66-70): Study the following information carefully and answer the questions given below.

A dealer sold six bikes – Avenger, Bullet, Champ, Desire, Enfield and Fazer – during a period of Monday to Saturday, one bike on each day.

- The bike Champ was sold at least before three bike
- The bike Fazer was sold on Tuesday
- Both the bike Bullet and Enfield were sold at least before one bike.
- The bike Desire was sold immediately after the bike Champ.
- At least four bike were sold after the bike Enfield.

66. How many bikes were sold after the bike Desire?

- A Can't say B. 3 C. 2 D. 5

67. How many bikes were sold before the bike Fazer?

- A. Can't say B. 1 C. 2 D. 3

68. The bike Avenger was sold immediately after:
A. Monday B. Tuesday C. Wednesday D. Friday
69. If Ravi is the person who purchased the bike sold on Wednesday, then the bike purchased by him is:
A. Avenger B. Bullet C. Champ D. Desire
70. Which is the bike sold on Saturday?
A. Can't say B. Champ C. Desire D. None
71. If Anil finds that he is fourteenth from the left end and 7 from the right end, then how many boys must be added to the line such that there are 30 boys in the line?
A. 8
B. 10
C. 12
D. 14
72. In a row of 50 students, A is fourteenth from the left end and B is tenth from the right end. How many students are there in between A and C if C is eight to the left of B?
A. 14
B. 16
C. 18
D. 20
73. In a row facing north, A is tenth to the left of B, who is 19th from the right end. If C who is 16th from the left end, is fourth to the right of A, how many girls are there in the row?
A. 38
B. 40
C. 42
D. 44
74. If in a certain Code BOOKLET is written as DSUSVQH , then how ANSWER written in that code ?
A.AQYFBP
B.CRYEOD
C.DERSDY
D.BPZFPC
75. DIFFICULT is coded as WRUURXFOG, then what will be the code for EXTREME ?
A.VEJHF DV
B.WFGINV F
C.VFCIUNG
D..VCGIVNV
- Directions(76-80): Study the following information carefully to answer the given questions.
- There are 7 persons P, Q, R, S, T, U and V are sitting in a row facing north. Each of them has a different profession – Executive, Clerk, Professor, Officer, Director, Editor and CA but not necessarily in the same order.
- T is not an Editor but sits after the person who immediately follows U. Q is a professor. The one who is an Executive sits second from the right end. The Clerk sits on the immediate left of the Editor. P sits on the immediate right of V and on the immediate left of R. U is fifth from the left end of the row and he is CA. The Director is third from the left end.
76. Who among the following sits on the extreme right end of the row ?
A.Clerk
B.Officer
C.CA
D.Editor

77. Who among the following is an Executive ?

- A.Q
- B.T
- C.S
- D.P

78. The person sitting on the second left of Q is

- A.Editor
- B.Clerk
- C.CA
- D.Director

79. Which of the following is true ?

- A.S – Officer
- B.V – Director
- C.P – CA
- D.P – Editor

80. Who sits on the centre of the row ?

- A.Q – Professor
- B.Q – Editor
- C.R- CA
- D.P – Director

Group- D

(Each question carrying one mark)

Direction (81-95): In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

81. It was being hard to believe A./that my brother could be B./involved in anything so sinister. C./No error D.

- A. A
- B. C
- C. C
- D. D

82. The average age at which A./people die of heart diseases B./are decreasing. C./No error D.

- A. A
- B. B
- C. C
- D. D

83. Hardly had I stepped A./out of my house when B./I saw them coming towards my house. C./No error D.

- A. A
- B. B
- C. C
- D. D

84. The last Mughal emperor was A./send into exile B./by the British. C./ No error D..

- A. A
- B. B
- C. C
- D. D

85. Being a sunny day A./I decided to stay at home B./ and take a nap. C./ No error D..

- A. A
- B. B
- C. C
- D. D

86. I asked two persons A./the way to the school B. but neither of them knew it. C./No error D.

- A. A
- B. B
- C. C
- D. D

87. We had to return because A./when we reached the railway B./station the train left. C./No error D.

- A. A
- B. B
- C. C
- D. D

88. One of the state A./in which there was a severe drought B./last year is Maharashtra. C./No error D.

- A. A
- B. B
- C. C
- D. D

89. The stock was A./divided among B./the two brothers. C./No error D.

- A. A
- B. B
- C. C
- D. D

90. To improve your vocabulary A./one thing that you should do B./is to read Times of India C./ No error D.

- A. A
- B. B
- C. C
- D. D

**91. She took the hint but wondered A./who had hurt him so badly that B./ he still bore a grudge thousands of years later.
C./ No error D.**

- A. A
- B. B
- C. C
- D. D

**92. Sairat is one of the latest A./in the list of contemporary Marathi movies B./which appeared in recent times. C./No error
D.**

- A. A
- B. B
- C. C
- D. D

93. I am better A./adapted to the B./climate than you. C./No error D.

- A. A
- B. B
- C. C
- D. D

94. "If I can see you A./I am sure you would B./be looking beautiful," Naina said. C./No error D.

- A. A
- B. B
- C. C
- D. D

95. I have been trying A./to catch you as B./ you left college. C. /No error D.

- A. A
- B. B
- C. C
- D. D

Directions (96-100): Rearrange the following seven sentences A., B., C., D., (E), (F) and (G) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

A. To put it in perspective, there have been 38 attempts so far by other countries to land a rover on the moon and have succeeded only a little more than half the time.

B. The Indian Space Research Organisation (ISRO) came tantalizingly close to creating history in the early hours of September 7.

- C. While it is unfortunate that the lander failed to safely touchdown, it is apt to remember that ISRO was attempting powered landing for the first time.
- D. The robotic lander Vikram followed the predetermined descent trajectory and came just within 2 km of the lunar surface before contact was lost.
- E This April, Israel's Beresheet lunar lander crashed to the lunar surface.
- F But early January this year, China's Chang'e-4 touched down on the lunar far side and deployed the Yutu-2 rover to explore the South Pole-Aitken Basin.
- G In Vikram, the velocity was successfully reduced from about 6,000 km per hour at the start of the descent at 35 km altitude to a few meters per second before communication snapped.
96. Which of the following should be the **first** sentence after rearrangement?
- A. B
B. D
C. A
D. F
97. Which of the following should be the **third** sentence after rearrangement?
- A.G
B.F
C.D
D.C
98. Which of the following should be the **fourth** sentence after rearrangement?
- A. B
B. E
C. A
D. C
99. Which of the following should be the **last** sentence after rearrangement?
- A.A
B.D
C.C
D.G
100. Which of the following should be the **second** sentence after rearrangement?
- A. C
B. D
C. B
D. G
- Directions (101-105): Rearrange the following seven sentences A., B., C., D., (E) ,(F) and (G) in the proper sequence to form a meaningful paragraph and then answer the questions given below.**
- A. Under the stewardship of a known immigration expert, Italy can hope to return to a course consistent with (EU) policy.
- B. Under his predecessor, the bloc was faced with the risk of a deliberate breach of its already shaky fiscal rules.

C. Similarly, there will be relief in Brussels over the appointment of an influential PD member of the European Parliament to the economy portfolio.

D. Earlier, he was hamstrung by two deputies from the M5S and its former ally, the far-right League, whose antagonism weighed on the 14-month long coalition.

E Prime Minister Giuseppe Conte would now command greater functional independence.

F As Interior Minister, the League's leader, the hard-line anti-immigrant Matteo Salvini, adopted a hostile stance on the rescue of refugees stranded at sea, in the Mediterranean.

G It had helped shape during the onset of the refugee crisis earlier this decade.

101. Which of the following should be the **first** sentence after rearrangement?

- A.E
- B.D
- C.F
- D.A

102. Which of the following should be the **third** sentence after rearrangement?

- A.D
- B.A
- C.B
- D.F

103. Which of the following should be the **fourth** sentence after rearrangement?

- A.B
- B.C
- C.A
- D.D

104. Which of the following should be the **last** sentence after rearrangement?

- A.A
- B.D
- C.B
- D.E

105. Which of the following should be the **second** sentence after rearrangement?

- A. C
- B. D
- C. B
- D. A

Directions (106-113): Read the given passage and answer the following questions based on the passage.

Last month, the United Nations released the 26th revision of World Population Prospects and forecast that India will overtake China as the most populous country by 2027. The only surprise associated with this forecast is the way it was covered by the media. We have known for a long time that India is destined to be the most populous country in the world. Population projections are developed using existing population and by adjusting for expected births, deaths and migration. For short-term projections, the biggest impact comes from an existing population, particularly women in childbearing ages. Having instituted a one-child policy in 1979, China's female population in peak reproductive ages (between 15 and 39 years) is estimated at 235 million (2019) compared to 253 million for India. Thus, even if India could institute a policy that reduces its fertility rate to the Chinese level, India will overtake China as the most populous country.

The element of surprise comes from the date by which this momentous event is expected. The UN revises its population projections every two years. In 2015, it was predicted that India would overtake China in 2022, but in the 2019 projections it is 2027. The UN

has revised India's expected population size in 2050 downward from 1,705 million in 2015 projections to 1,639 million in 2019 projections. This is due to faster than expected fertility decline, which is good news by all counts. Like it or not, India will reign as the most populous country throughout most of the 21st century. Whether we adjust to this demographic destiny in a way that contributes to the long-term welfare of the nation or not depends on how we deal with three critical issues. First, do we need to adopt stringent population control policies? History tells us that unless the Indian state can and chooses to act with the ruthlessness of China, the government has few weapons in its arsenal. Almost all weapons that can be used in a democratic nation, have already been deployed. These include restriction of maternity leave and other maternity benefits for first two births only and disqualification from panchayat elections for people with more than two children in some States along with minor incentives for sterilization.

As demographer Judith Blake noted, people have children, not birth rates and few incentives or disincentives are powerful enough to overcome the desire for children. Ground-level research by former Chief Secretary of Madhya Pradesh Nirmala Buch found that individuals who wanted larger families either circumvented the restrictions or went ahead regardless of the consequences. As one of her informants noted, "The sarpanch's post is not going to support me during my old age, but my son will. It does not really matter if I lose the post of sarpanch." Second, if punitive actions won't work, we must encourage people to have smaller families voluntarily. There are sharp differences in fertility among different socio-economic groups.

In western societies, low fertility is associated with the conflict that working women face between work and child rearing and the individual's desire to enjoy a child-free life. Not so for Indian couples. In India, couples with one child do not consume more nor are women in these families more likely to work. My research with demographer Alaka Basu from Cornell University shows that it is a desire to invest in their children's education and future prospects that seems to drive people to stop at one child. Richer individuals see greater potential for ensuring admission to good colleges and better jobs for their children, inspiring them to limit their family size. Thus, improving education and ensuring that access to good jobs is open to all may also spur even poorer households into having fewer children and investing their hopes in the success of their only daughter or son. Provision of safe and easily accessible contraceptive services will complete this virtuous cycle. Third, we must change our mindset about how population is incorporated in broader development policies.

106. According to the given passage, where does the biggest impact come from for short-term projection?

- A. Existing population especially from women who are in an age of child bearing.
- B. Adjustment of migration, deaths and expected births.
- C. getting it covered by media
- D. Instituting a one-child policy.

107 As per the given passage, what is/are the cause(s) of India's expected population size in 2050 getting downwards?

- A. Due to UN's prediction that India would overtake China.
- B. Declination of expected fertility rate faster than usual.
- C. Revision of population projection by UN every two years
- D. Both A. and B.

108. What is/are the weapons government has deployed to act with ruthlessness of China?

- A. restriction of maternity leave for first two births only
- B. Maternity benefits for first two births only
- C. Disqualifying people with more than two children from panchayat elections
- D. All of the above

109. According to the demographer Judith Blake, what is sufficient to overcome the desire for children?

- A. Few incentives or disincentives
- B. Restricting all the benefits
- C. Disqualifying people from major roles of society
- D. Both B. and C.

110. What is the cause of low fertility rate in western societies

- A. Life of women getting stuck between work and child rearing

- B. Restricting individual's desires to enjoy a life without children
- C. Both A. and B.
- D. Children are considered as a financial burden

111 How can even poorer households be spurred to have fewer children?

- A. Improving education
- B. Ensuring access of good jobs is open to all
- C. Granting medical facilities for only one child.
- D. Both A. and B.

112 Which of the following words is most similar in meaning with **STRINGENT** highlighted in the given passage?

- A. Strict
- B. Linient
- C. Flexible
- D. Convincing

113. Which is the following is the most opposite in meaning with **RUTHLESSNESS** highlighted in the passage?

- A. tyrannical
- B. Compassionate
- C. Barrous
- D. Relentless

Directions (114-120): In each Question below, a sentence is given with four words given in **Bold** in the sentence. Among these bold words one may be wrongly spelt. The option of that word is the answer. If all four words are correctly spelt mark 'e'. i.e. 'All Correct' as the answer.

114. When it came **evident** that Saudi Arabia was not winning the war, **fisures** started **emerging** within the **coalition**.

- A. Evident
- B. Fisures
- C. Emerging
- D. Coalition

115. The U.S. has **signalled** that it will **facilitate** talks among the multiple **factions** in Yemen through Oman, a **neutral** player.

- A. Signalled
- B. Facilitate
- C. Factions
- D. Neutral

116. The apex court's power to **transfer** is not **unfettered** and absolute and can only be carried out in public **interest** for better **administration** of justice.

- A. Transfer
- B. Unfettered
- C. Interest
- D. Administration

117. The **functioning** of the **collegeum** has attracted much **criticism**, largely due to **aberrations** in certain selections and transfers.

- A. Functioning
- B. Collegeum
- C. Criticism
- D. Aberrations

(e) All correct

118. The most **pertinent** question here is whether the **transfer** serves the **inetrests** of administration of justice for the people of Tamil Nadu.

- A. Pertinent
- B. Transfer
- C. Inetrests
- D. Justice

119 Due to the **puzzling** facts relating to Justice Tahilramani's transfer, **rumuors** are rife on **social** media and in court **corridors**.

- A. Puzzling
- B. Rumuors
- C. Social
- D. Corridors

120. The **MSS** leader Luigi Di Maio would be **obliged** to temper his **populist** anti-EU **retoric**, which at times bordered on **suggestions** to the effect.

- A. Obliged
- B. Populist
- C. Retoric
- D. Suggestions

