

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO**

Booklet Serial No.

**101217**

Test Booklet Series

**CHEMIST**

**OMR Examination - 2023**



**Time Allowed: 120 Minutes**

**Maximum Marks: 120**

### **INSTRUCTIONS**

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
  2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number, Booklet Serial No. and Test Booklet Series Code A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer /Response Sheet. Any omission/discrepancy will render the Response Sheet liable for rejection.
  3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside.  
**DO NOT write anything else** on the Test Booklet.
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|--|--|--|--|--|--|--|--|
4. This Test booklet contains **120** items (questions). Each item comprises of four responses (answers). You will select the response which you want to mark on the Answer Sheet/Response Sheet. In case you feel that there is more than one correct response, mark the response which you consider the appropriate. In any case, choose **ONLY ONE** response for each item.
  5. You have to mark all your responses **ONLY** on the separate Answer /Response Sheet provided. See directions in the Response Sheet.
  6. **All** items carry equal marks.
  7. After you have completed filling in all your responses on the Response Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer /Response Sheet**. You are permitted to take away with you the Test Booklet and **Candidate's Copy of the Response Sheet**.
  8. Sheets for rough work are appended in the Test Booklet at the end.
  9. While writing Centre Code and Roll No. on the top of the Answer Sheet/Response Sheet in appropriate boxes use "**ONLY BLUE/BLACK BALL POINT PEN**".
  10. **Penalty for wrong answers:**  
**THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY THE CANDIDATE IN THE WRITTEN TEST (OBJECTIVE TYPE QUESTIONS PAPERS).**
    - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, ( $\frac{1}{4}$ ) of the marks assigned to that question will be deducted as penalty.
    - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above for that question.
    - (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.



**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO**

(Set - A)





1. The national highway from Amritsar to Kolkata via Delhi is numbered  
A) NH1  
B) NH2  
C) NH4  
D) NH8
2. The total length of the river Ganga is about  
A) 3025 km  
B) 3425 km  
C) 2525 km  
D) 2925 km
3. Which one of the following is a north flowing river?  
A) Cauvery  
B) Narmada  
C) Chambal  
D) Brahmaputra
4. In which language was the Shrimad Bhagavad Gita originally written ?  
A) Prakrit  
B) Apabhramsa  
C) Pali  
D) Sanskrit
5. 'Do or Die' (Karengē ya Marengē) Gandhiji gave this Mantra to the nation on the eve of which mass movement?  
A) Rowlatt Satyagraha  
B) Salt Satyagraha  
C) Quit India Movement  
D) Non-Cooperation Movement
6. How many types of Fundamental rights are provided by Indian Constitution?  
A) 5  
B) 6  
C) 7  
D) 9

7. What is the maximum number of Members in Lok Sabha?
- A) 512
  - B) 542
  - C) 552
  - D) 532
8. By which name/names is our country mentioned in the Constitution?
- A) Bharat and India
  - B) Bharat only
  - C) Hindustan and India
  - D) Bharat,Hindustan and India
9. Which article of the Indian Constitution deals with the abolition of untouchability?
- A) Article 14
  - B) Article 17
  - C) Article 19
  - D) Article 23
10. At present how many Fundamental Duties are in the Constitution of India?
- A) 6
  - B) 7
  - C) 10
  - D) 11
11. Alcoholic beverages contain
- A) Ethyl alcohol
  - B) Butyl alcohol
  - C) Methyl alcohol
  - D) Methanol
12. The instrument used for measuring depth of water table is known as
- A) Evaporimeter
  - B) Piezometer
  - C) Odometer
  - D) Lysimeter

13. Which of the following primarily causes Mercury Pollution?
- A) Automobile Battery
  - B) CFL Lamp
  - C) Diesel Engine
  - D) Polymer
14. Where is the 'Rajaji Tiger Reserve' located in India?
- A) Gujarat
  - B) Madhya Pradesh
  - C) Maharashtra
  - D) Uttarakhand
15. Which of the following taxes are abolished by the Goods and Services Tax?
- A) Property tax
  - B) Corporation tax
  - C) VAT
  - D) All of the above
16. Kerewa Soils is best for Growing?
- A) Wheat
  - B) Saffron
  - C) Rice
  - D) Tea
17. On which date J&K Reorganisation Act, 2019 came into force?
- A) 5 August 2019
  - B) 30 October 2019
  - C) 31 October 2019
  - D) 9 September 2019
18. Pampore uplands, locally called 'wudar' in Sri Nagar, Jammu and Kashmir are a great source of revenue from which among the following?
- A) Apples
  - B) Saffron
  - C) Tourism
  - D) Sports

**Directions: Q. No. (19 to 23)** Read the passage carefully and answer the questions based on the passage.

The world population is living, working, vacationing, increasingly conglomerating along the coasts, and standing on the front row of the greatest, most unprecedented, plastic waste tide ever faced.

Washed out on our coasts in obvious and clearly visible form, the plastic pollution spectacle blatantly unveiling on our beaches is only the prelude of the greater story that unfolded further away in the world's oceans, yet mostly originating from where we stand: the land.

For more than 50 years, global production and consumption of plastics have continued to rise. An estimated 299 million tons of plastics were produced in 2013, representing a 4 percent increase over 2012, and confirming an upward trend over the past years. In 2008, our global plastic consumption worldwide has been estimated at 260 million tons, and according to a 2012 report by Global Industry Analysts, plastic consumption is to reach 297.5 million tons by the end of 2015.

Plastic is versatile, lightweight, flexible, moisture resistant, strong, and relatively inexpensive. Those are the attractive qualities that lead us, around the world, to such a voracious appetite and over-consumption of plastic goods. However, durable and very slow to degrade, plastic materials that are used in the production of so many products all, ultimately, become waste with staying power. Our tremendous attraction to plastic, coupled with an undeniable behavioural propensity of increasingly over-consuming, discarding, littering and thus polluting, has become a combination of lethal nature.

A simple walk on any beach, anywhere, and the plastic waste spectacle is present. All over the world, the statistics are ever growing, staggeringly. Tons of plastic debris (which by definition are waste that can vary in size from large containers, fishing nets to microscopic plastic pellets or even particles) is discarded every year, everywhere, polluting lands, rivers, coasts, beaches, and oceans.

Published in the journal Science in February 2015, a study conducted by a scientific working group at UC Santa Barbara's National Center for Ecological Analysis and Synthesis (NCEAS), quantified the input of plastic waste from land into the ocean. The results: every year, 8 million metric tons of plastic end up in our oceans. It's equivalent to five grocery bags filled with plastic for every foot of coastline in the world. In 2025, the annual input is estimated to be about twice greater, or 10 bags full of plastic per foot of coastline. So the cumulative input for 2025 would be nearly 20 times the 8 million metric tons estimate - 100 bags of plastic per foot of coastline in the world!

19. As per the passage, which of the following statements are true?
1. Most of the plastic present in the ocean today has originated from the land.
  2. In recent years, the production of plastics has declined.
  3. Plastic pollution is present on almost every beach.
- A) Only 1  
B) Only 2  
C) Only 1 and 3  
D) All 1, 2 and 3

(Set - A)

(6)

20. Which of the following is not the quality of plastic?
- A) Cheap
  - B) Moisture Resistant
  - C) Brittle
  - D) Lightweight
21. Which of the following statements are false according to the passage?
- 1. There is a 4 percent increase in the production of plastics in 2013, over 2012.
  - 2. The production of plastics in 2012 is approximately 299 million tons.
  - 3. According to the Global Industry Experts, plastic consumption is to reach 297.5 million tons by the end of 2015.
- A) Only 2 and 3
  - B) Only 1
  - C) Only 2
  - D) Only 1 and 2
22. Which organisation has quantified the input of plastic waste from land into the ocean? As mentioned in the passage.
- A) UC Santa Barbara's National Center for Ecological Analysis and Synthesis
  - B) Global Industry Analysts
  - C) Kano State Environmental Planning and Protection Agency
  - D) Foundation for Environmental Education
23. According to the author, What can be the reason behind the plastic pollution?
- 1. Plastic is cheaply available and that lead to the overconsumption.
  - 2. Plastic does not degrade easily thus it ended up being a pollutant.
  - 3. There is no policy to curb plastic pollution.
- A) Only 1
  - B) Only 2
  - C) Only 3
  - D) Only 1 and 2
24. Fill in the blank " \_\_\_\_\_ unit means a measurement."
- A) a
  - B) no article
  - C) an
  - D) the

25. Select the most appropriate meaning of the given phrase/idiom.

“Iron will”

- A) Good health
- B) Strong determination
- C) Sticks to the point
- D) Has high haemoglobin

26. Choose the correct active/passive voice form the four alternatives of the following sentence.

“The prisoners have made these paintings.”

- A) These prisoners have been made by the paintings.
- B) These paintings were made by the prisoners.
- C) These paintings are made by the prisoners.
- D) These paintings have been made by the prisoners

27. In the following questions, out of the four alternatives, one word is correctly spelt.

Find the correctly spelt word.

- A) Juwelery
- B) Jewelry
- C) Juallery
- D) Jewellery

28. The ratio between the speeds of two trains is 7 : 8. If the second train runs 400 km in 4 hours, then the speed of the first train is:

- A) 70 km/hr
- B) 75 km/hr
- C) 84 km/hr
- D) 87.5 km/hr

29. Fill in the blank.

She is going to look after the cat \_\_\_\_\_ I am away on holiday.

- A) While
- B) as
- C) before
- D) what



30. In the following narration, a sentence has been given in direct/indirect form. Out of the four alternatives choose the one which best expresses of the same sentence in indirect/direct form.

The lawyer said to his client, "We will win the case."

- A) The lawyer told to his client that they would win the case.  
B) The lawyer said that the client would win the case.  
C) The lawyer told his client that they should win the case.  
D) The lawyer told the client that they would win the case
31. Look at this series: 2, 6, 18, 54, ...What number should come next?  
A) 108  
B) 148  
C) 162  
D) 216
32. Fill in the blank in series CMM, EOO, GQQ, \_\_\_\_\_, KUU  
A) GRR  
B) GSS  
C) ISS  
D) ITT
33. Choose correct option to replace Question Mark (?) A1, B3, C5, D7,?  
A) E9  
B) F9  
C) G10  
D) E10
34. Which of the following pairs of words have the same relationship as "Engineering : Mechanics"?  
A) Physics : Chemistry  
B) Botany : Zoology  
C) Mathematics : Numbers  
D) History : Geography

35. Select the one which is different from the other three responses.

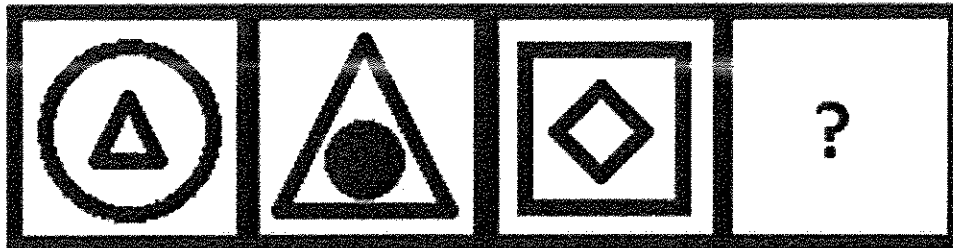
- A) Konark
- B) Madurai
- C) Ellora
- D) Khajuraho

36. Select the one which is different from the other three responses.

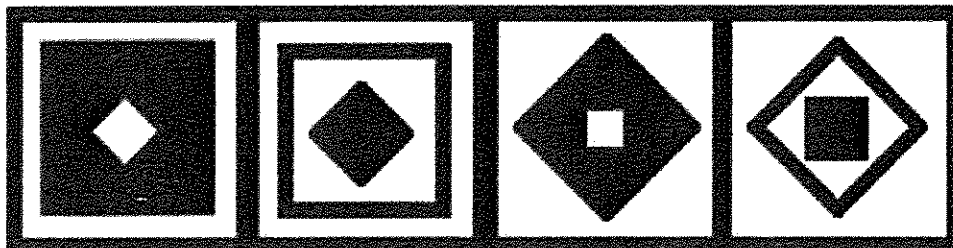
- A) (96, 24)
- B) (39, 18)
- C) (81, 54)
- D) (82, 64)

37. In the following question, first and second figure from the Question figures follow a relationship. Which Answer figure should replace the question mark (?) to have the same relationship with the third figure:

**Question Figures**



**Answer Figures**



(1)

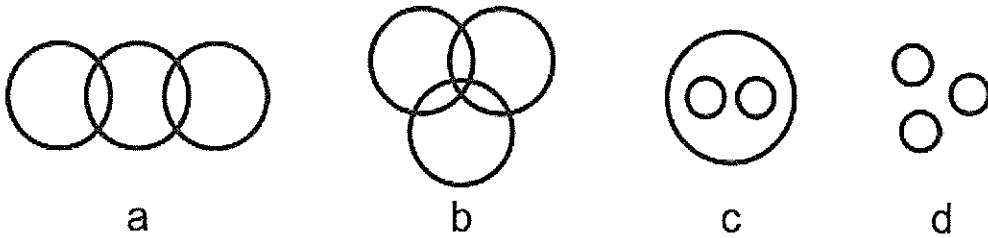
(2)

(3)

(4)

- A) (1)
- B) (2)
- C) (3)
- D) (4)

38. If '×' means 'addition', '-' means 'division', '÷' means subtraction and '+' means 'multiplication', then which of the following equations is correct?
- A)  $16 + 5 - 10 \times 4 \div 3 = 9$   
 B)  $16 - 5 \times 10 \div 4 + 3 = 12$   
 C)  $16 + 5 \div 10 \times 4 - 3 = 9$   
 D)  $16 \times 5 \div 10 \div 4 - 3 = 19$
39. Which of the following diagrams best represents the group of "Elephant, Wolf, Animal" and each circle represents one word.



- A) a  
 B) b  
 C) c  
 D) d

40. Below are given roll numbers of candidates registered for an examination. The first two digits from the left stand for the centre code and next four for the serial number of the candidates registered at the centre.

259451	556104	259453	676107
679109	679215	957529	259213
556109	257337	559549	858514
25468	857528	957527	259425

Which centre is having the maximum number of candidates?

- A) 85  
 B) 55  
 C) 67  
 D) 25

41. In a group of five friends Hina, Rukaiya, Shefali, Mariyam, Gurpreet, Hina is taller than Rukaiya. Also, Shefali is shorter Rukaiya. Gurpreet is taller than Hina while Mariyam is shortest.

Who among them is tallest.

- A) Rukaiya
- B) Hina
- C) Shefali
- D) Gurpreet

42. There is an address of an organization, which has been reproduced as four options, three of which have some mistakes and one is without mistake.

Choose correct address which has no mistake.

Mrs. Nusrat Jahan

C-803, Green Valley Apartments

Plot No-11, Sector-22, Dwarka

New Delhi-110077

- A) Mrs. Nusrat Jahan  
C-803, Green Valley Apartments  
Plot No-11, Sector-22, Dwarka  
New Delhi-110077

- B) Mrs. Nusat Jahan  
C-803, Green Vally Apartments  
Plot No-11, Sector-22, Dwrka  
New Delhi-110077

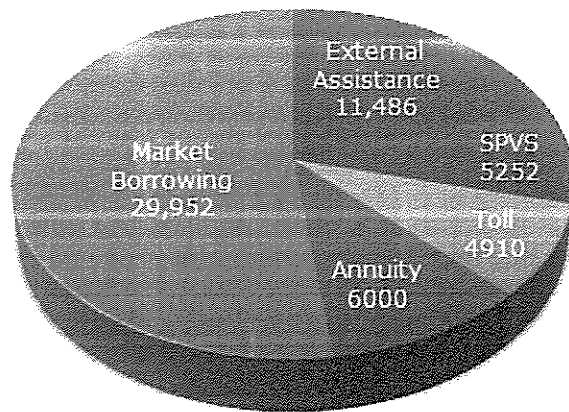
- C) Mrs. Nusrat Jahan  
C-803 Green Valley Apartment  
Plot No-22, Sector-11, Dwarka  
New Delhi-110077

- D) Mrs. Nusrat Jahan  
C-803, Green Valley Apartments  
Plot No-22, Sector-11, Dwrka  
New Delhi-110077

43. Find the product of face value and place value of 4 in 234567.
- A) 12000
  - B) 14000
  - C) 16000
  - D) 18000
44. Two bicycles were sold for Rs. 3,990 each, gaining 5% on one and losing 5% on the other. The gain or loss percent on the whole transaction is
- A) Neither gain nor loss
  - B) 2.5% gain
  - C) 2.5% loss
  - D) 0.25% loss
45. With an average speed of 40 km/hr, a train reaches its destination in time. If it goes with an average speed of 35 km/hr, it is late by 15 minutes. Find the length of the total journey?
- A) 70km
  - B) 60km
  - C) 45km
  - D) 30km
46. Evaluate:  $2xy^3 + x - 2y$  for  $x = 2$  and  $y = -2$
- A) 26
  - B) -26
  - C) -34
  - D) 34
47. The average of runs of a cricket player of 10 innings was 32. How many runs must he make in his next innings so as to increase his average of runs by 4 ?
- A) 76
  - B) 79
  - C) 85
  - D) 87

48. If square of 11 is 121 then, what is the square of 111?
- A) 121
  - B) 12321
  - C) 1234321
  - D) 123321
49. It is given that  $\Delta ABC \sim \Delta PQR$ , with  $BC/QR = 1/4$  then,  $ar(\Delta PRQ)/ar(ABC)$  is equal to
- A) 16
  - B) 4
  - C)  $1/4$
  - D)  $1/16$
50. The following pie-chart shows the sources of funds to be collected by the National Highways Authority of India (NHAI) for its Phase II projects. Study the pie-chart and answers the question that follow.

Sources of funds to be arranged by NHAI for Phase II projects (in crores Rs.)



The approximate ratio of the funds to be arranged through Toll and that through Market Borrowing is

- A) 2 : 9
- B) 1 : 6
- C) 3 : 11
- D) 2 : 5

51. Determine how the angle  $7/8\pi$  radians is classified
- A) Acute
  - B) Right
  - C) Obtuse
  - D) Reflex
52. A triangle having sides equal to 7cm, 24cm and 25cm forms a cone when revolved about 24cm side. What is the volume of a cone formed?
- A)  $1225\text{cm}^3$
  - B)  $1232\text{cm}^3$
  - C)  $4000\text{cm}^3$
  - D)  $3696\text{cm}^3$
53. What is the value of  $\sin 30^\circ \cos 15^\circ + \cos 30^\circ \sin 15^\circ$ ?
- A)  $1/2$
  - B)  $\sqrt{3}/2$
  - C) 1
  - D)  $\sqrt{2}/2$
54. What is the full form of HTTPS?
- A) Hyper Text Transfer Protocol Secure
  - B) Hyper Text Transfer Procedure Secure
  - C) Hyper Text Transfer Process Secure
  - D) Hyper Text Transfer Policy Secure
55. Which of the following is the smallest unit of data in a computer?
- A) Bit
  - B) KB
  - C) Nibble
  - D) Byte
56. Which of the following is known as the interval between the instant a computer makes a request for the transfer of data from a disk system to the primary storage and the instance the operation is completed?
- A) Disk utilization time
  - B) Drive utilization time
  - C) Disk access time
  - D) Disk arrival time

57. GUI means \_\_\_\_\_?
- A) Graph Use Interface
  - B) Graphical Universal Interface
  - C) Graphical User Interface
  - D) Graphical Unique Interface
58. Public domain software is usually \_\_\_\_\_
- A) System supported
  - B) Source supported
  - C) Community supported
  - D) Programmer supported
59. Which term refers to the use of IT to engage citizens in the decision-making process?
- A) E-governance
  - B) M-governance
  - C) Citizenry Technification
  - D) Participatory Governance
60. How many users can open the Excel file at the same time?
- A) 64 users
  - B) 128 users
  - C) 256 users
  - D) 512 users



61. The capital of Lakshadweep is
- A) Port Blair
  - B) Silvassa
  - C) Aizawl
  - D) Kavaratti
62. What is the process by which original composition of rocks are changed due to the movement of hydrothermal fluids through rocks under high temperature and pressure called?
- A) Granulation
  - B) Plastic Deformation
  - C) Recrystallisation
  - D) Metasomatism
63. The reason for Rajasthan being deficient in rainfall is
- A) The monsoon fail to reach this area
  - B) It is too hot
  - C) There is no water available and thus the winds remain dry
  - D) The winds do not come across any barrier to cause necessary uplift to be cooled
64. Headquarters of North Eastern railway is at
- A) Assam
  - B) Kolkata
  - C) Gorakhpur
  - D) Danapur
65. According to Census of India 2011 which one of the following Union Territories had the highest sex ratio?
- A) Chandigarh
  - B) Puducherry
  - C) Lakshadweep
  - D) Daman and Diu

66. In which of the following states is the Sambhar lake located?
- A) Mizoram
  - B) Rajasthan
  - C) Gujarat
  - D) Jammu
67. Hundies are normally
- A) Cheque
  - B) Bills of Exchanges
  - C) Bills of Purchase
  - D) Bills of Lading
68. Which of the following places is famous for Chikankari work, which is a traditional art of embroidery?
- A) Lucknow
  - B) Hyderabad
  - C) Jaipur
  - D) Mysore
69. Which Article of the Indian Constitution states the directive principles of state policy on 'Promotion of international peace and security'?
- A) Article 57
  - B) Article 51
  - C) Article 59
  - D) Article 49
70. The first Indian Satellite Aryabhata was launched in
- A) 1974
  - B) 1975
  - C) 1976
  - D) 1977

71. When is the World Wildlife Week observed?
- A) First week of September
  - B) Last week of September
  - C) First week of October
  - D) Last week of October
72. The term HUF is frequently found in taxation system in India, what does HUF stands for?
- A) Hindu Undivided Family
  - B) Household Universal Frequency
  - C) Household Unit Facto
  - D) Hindu Union Fund
73. Who ascended the Throne of Jammu and Kashmir after Maharaja Gulab Singh?
- A) Maharaja Ranbir Singh
  - B) Maharaja Hari Singh
  - C) Maharaja Ranjit Singh
  - D) Yuvraj Karan Singh
74. Which Lake of Jammu and Kashmir has first floating Post Office?
- A) Dal Lake
  - B) Wular Lake
  - C) Mansar Lake
  - D) Gangabal Lake
75. The folk dance of Kashmir in which two groups of ladies facing each other with arms locked around one another's backs sing alternately.
- A) Bacha Nagma
  - B) Rouf
  - C) Wanwun
  - D) Hikar

76. Shalimar bagh was built by which Mughal emperor?
- A) Aurangjeb
  - B) Jahangir
  - C) Shah jahan
  - D) Akbar
77. As per the J&K Reorganization Act 2019, the UT of Ladakh comprises of which of the following territories of the state of J&K?
- A) Kargil and Leh Districts
  - B) Doda and Kathua districts
  - C) Ramban and Reasi districts
  - D) Leh and Poonch districts

**Directions Q. No. (78 to 79):** Each sentence below is partly or wholly *italicized and bold*. Below each sentence are four alternative ways of writing the *italicized* and **bold** part and improving it. The choice (a) in each case is the same as the original *italicized* part: choices (b), (c) and (d) are different. If you think the original phrasing is correct, select (a) as your answer. If another choice forms a better/correct sentence, select that as your answer:

78. I am not certain *in respect to which courses* to take.
- A) In respect to which courses
  - B) About which courses
  - C) As to the choosing of courses
  - D) Regarding to those courses
79. The use of radar, as well as two-way radio paging, *make it possible* for state police to intercept most speeders.
- A) Make it possible
  - B) Makes it possible
  - C) Allows the possibility
  - D) Makes possible

80. **Directions:** Some parts of the following sentences have been jumbled up. You are required to rearrange the parts labelled P, Q, R and S to phrase the correct sentence.

**Question:**

The national unity of a free people

P to make it impracticable

Q for there to be an arbitrary administration

R depends upon a sufficiently even balance in political power

S against a revolutionary opposition that is irreconcilably opposed to it

- A) QRPS
  - B) QRSP
  - C) RPQS
  - D) RSPQ
81. Select the most appropriate synonym of the given word:

TETE-A-TETE

- A) Delightful
- B) Penetrating
- C) Piercing
- D) Conversation

82. Find similar word to wrapper, covering, binding

- A) Packaging
- B) Advertising
- C) Newspaper
- D) Title

83. A person who brings goods illegally into the country
- A) Importer
  - B) Exporter
  - C) Fraud
  - D) Smuggler
84. A state of being unmarried
- A) Alone
  - B) Celibacy
  - C) Lonely
  - D) Aloofness
85. Find correct spelling
- A) FEASIBEL
  - B) FEASIBLE
  - C) FASCIEBLE
  - D) FEASEBLE
86. Choose the correct active/passive voice form the four alternatives of the following sentence:
- I shall have written the letter.
- A) The letter will be written by me
  - B) The letter has been written by me
  - C) The letter is being written by me
  - D) The letter will have been written by me

Fill in the Blanks for Q. No. (87 to 90):

87. \_\_\_ children recited \_\_\_ poem in \_\_\_ honour of \_\_\_ Prime Minister.
- A) the, a, an, a,
  - B) a, the, the, the
  - C) no article, a, an, the
  - D) the, a, the, the

88. He left meeting in a feet of \_\_\_\_\_.
- A) Peke
  - B) Pique
  - C) Peek
  - D) Peak
89. Ai Ling \_\_\_\_\_ to Manhattan is 1997.
- A) Has been transferred
  - B) Should be transferred
  - C) Was transferred
  - D) Is transferred
90. Chaotic in conception but not in \_\_\_\_\_, Kelly's canvases are as neat as the proverbial pin.
- A) Conceit
  - B) Execution
  - C) Intent
  - D) Origin
91. Find the odd number in 385, 462, 572, 396, 427, 671, 264
- A) 385
  - B) 427
  - C) 671
  - D) 264

Write the next in the series for Q. No. (92 to 93)

92. AIPVAE?
- A) F
  - B) G
  - C) H
  - D) I

93. 5 9 16 29 54 103 ?

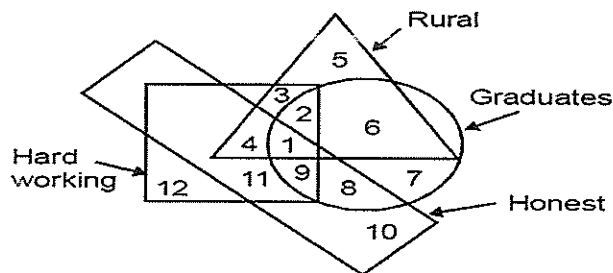
- A) 300
- B) 250
- C) 208
- D) 200

94. Who is the youngest of all?

- (i) Radha is younger to Sunita but elder than Rita
- (ii) Rita is elder than Geeta
- (iii) Sham is elder to Rita but younger to Radha

- A) Rita
- B) Radha
- C) Sham
- D) Geeta

**Directions:** Refer following figure and answer Q. No. (95 to 96)



95. Graduates, hard working, honest and rural people are indicated by

- A) 1
- B) 2
- C) 3
- D) 4

96. Urban graduates who are neither hard working nor honest are represented by

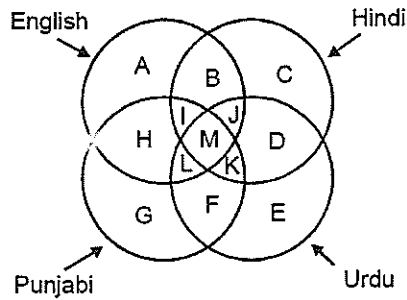
- A) 5
- B) 7
- C) 10
- D) 11

(Set - A)

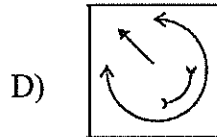
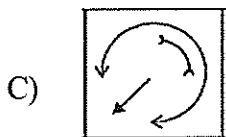
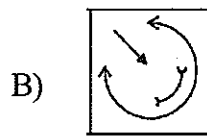
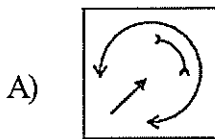
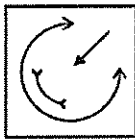
(24)



**Directions: Q. No. (97 to 98)** There are four intersecting circles in the following diagram, each representing people who can read and write English, Hindi, Urdu and Punjabi.  
 $A = 40$        $C = 2A$        $E = (\frac{1}{2})A$        $G = 2E$



97. People who can read and write all the languages can be represented by?  
 A) L  
 B) J  
 C) M  
 D) K
98. How many people know Urdu or Punjabi?  
 A) 40  
 B) 20  
 C) 80  
 D) 60
99. Choose the correct mirror image of the given figure from amongst the form alternatives A, B, C, D given along with it.



100. Which of the following terms follows the trend of the given list?

PRQPQPQPQ, PQRQPQPQPQ, PQPRQPQPQ, PQPQRQPQPQ, PQPQPRQPQ.....

- A) PQPQPQRQPQ
- B) RPQPQPQPQ
- C) PRQPQPQPQ
- D) PQRQPQPQPQ

101. If BE QUICK is coded as ZC OSGAI, then the code of the last letter of the third word in the sentence I LOVE MY COUNTRY is

- A) A
- B) T
- C) U
- D) W

102. If in a certain language, EXECUTIVE is coded as TCIEUXVEE then how is MAUSOLEUM coded in that language?

- A) LSEUOAUMM
- B) AUUCOSLMM
- C) AUEUOSEMM
- D) SLUEOAUMM

103. If the unit digit in the product  $(459 \times 46 \times 28^* \times 484)$  is 2, the digit in place of \* is

- A) 3
- B) 5
- C) 7
- D) 0

104. If  $\sqrt{15} = 3.88$  the value of  $\sqrt{\frac{5}{3}}$  is

- A) 0.43
- B) 1.89
- C) 1.29
- D) 1.63

105. A machine is sold at a profit of 10%. Had it been sold for Rs.80 less, there would have been a loss of 10%. The C.P of the machine is

- A) 350
- B) 400
- C) 450
- D) 520

106. If  $A:B = 5:7$  and  $B:C = 6:11$  then  $A:B:C$  is

- A) 55:77:66
- B) 30:42:77
- C) 35:49:42
- D) 40:50:60

107. A and B can do a work in 72 days; B and can do it in 120 days; A and C can do it in 90 days. In what time can A alone do it?

- A) 150 days
- B) 120 days
- C) 100 days
- D) 80 days

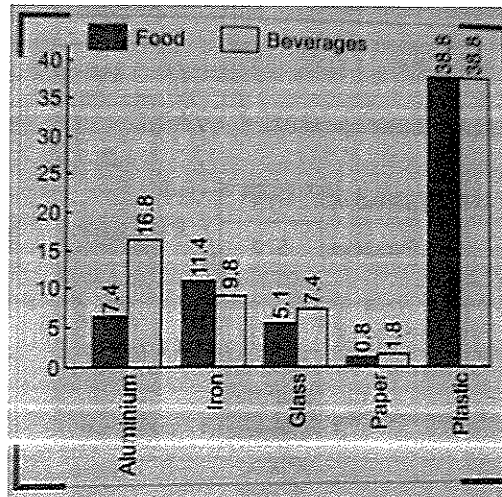
108. A man invests an amount of Rs.15,860 in the names of his three sons A, B and C in such a way that they get the same amount after 2, 3 and 4 years respectively. If the rate of simple interest is 5%, then the ratio of amounts invested among A, B and C will be

- A) 10:15:20
- B) 22:23:24
- C) 6:4:3
- D) 2:3:4

109. How many sides does a polygon have if the measure of each interior angle is 8 times the measure of each exterior angle?

- A) 8
- B) 9
- C) 12
- D) 18

**Directions:** Study the following graph and answer the questions Q. No. (110 to 111) given below:



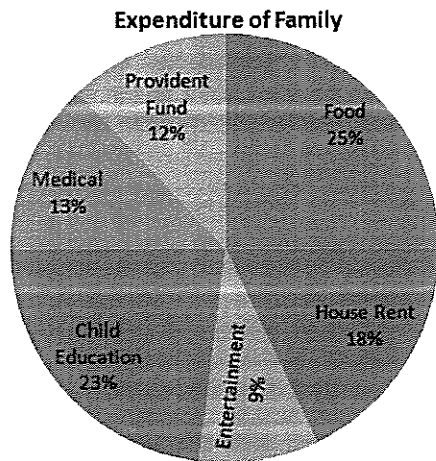
110. What per cent of the total glass packaging material was used for packaging food items?

- A) 40.8
- B) 41.8
- C) 40.7
- D) 41.0

111. Which of the following packaging materials was used for packaging food items and beverages in the ratio is 4:9 ?

- A) Glass
- B) Paper
- C) Aluminium
- D) Iron

**Directions: Q. No. (112 to 113)** The pie chart given here represents the domestic expenditure of a family in percent. Study the chart and answer the following questions if the total monthly income of the family is Rs. 33,650



**112.** The annual savings in the form of provident fund would be

- A) 48456
- B) 48540
- C) 44856
- D) 45480

**113.** The house rent per month is

- A) 6000
- B) 6152
- C) 6057
- D) 6048

**114.** The speed of computer is usually measured in

- A) MHz
- B) GB
- C) KB
- D) MB

115. PARAM is an example of
- A) Super computer
  - B) Laptop
  - C) PC
  - D) PDA
116. This type of computer(s) is/are the least powerful, yet the most widely used and fastest-growing computer.
- A) Mainframe computers
  - B) Super computers
  - C) Micro computers
  - D) Mini computers
117. Digital signature service that has been launched on Aadhar platform is called
- A) DigiSignDesk
  - B) eSignDesk
  - C) OnlineSignDesk
  - D) GoogleSigning
118. We can start MS Word by typing in the Run Dialog Box
- A) winword.exe
  - B) word.exe
  - C) msword.exe
  - D) docx.exe
119. Input device used for converting pictures, maps and drawings into digital form for storage in computers is
- A) Digitizer
  - B) Camera
  - C) Scanner
  - D) Mouse
120. Which one is used for scoring examinations?
- A) MICR
  - B) OMR
  - C) OCR
  - D) Bar-code

# ROUGH WORK



# ROUGH WORK

