

Year of Advt: 2025

Date of Exam: 04-December-2025

19501

Booklet Serial No.

DO NOT BREAK THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

SERIES : I

QUESTION BOOKLET

**Subjects : General English, General Knowledge & Current Affairs,
Aptitude & Reasoning and Elementary Mathematics**

Full Marks : 300

Time Allowed : 2½ Hours

Read the following instructions carefully before you begin to answer the questions.

INSTRUCTIONS TO CANDIDATES

1. This Booklet contains **150 questions** to be answered in a separate OMR Answer Sheet using Black Ballpoint Pen in the following three Parts :

Part—A : General English	: 40 questions
Part—B : General Knowledge & Current Affairs	: 50 questions
Part—C : (i) Aptitude & Reasoning	: 30 questions
(ii) Elementary Mathematics	: 30 questions

2. All questions are compulsory.
3. You will be supplied the Answer Sheet separately by the Invigilator. You must complete the details of particulars asked for.
4. Answer must be shown by completely blackening the corresponding circle in the Answer Sheet against the relevant question number by Black Ballpoint Pen. OMR Answer Sheet without marking Series shall not be evaluated.

Example :

Suppose the following question is asked :

The Capital of Meghalaya is

- (A) Guwahati
(B) Kohima
(C) Shillong
(D) Delhi

You will have four alternatives in the Answer Sheet for your response corresponding to each question of the Question Booklet as below :

(A) (B) (C) (D)

In the above illustration, if your chosen response is alternative (C), i.e., Shillong, then the same should be marked on the Answer Sheet by blackening the relevant circle with a Black Ballpoint Pen only as below :

(A) (B) (C) (D)

The example shown above is the only correct method of answering.

5. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any one question.
6. There will NOT be any negative marking for wrong answers.
7. The Answer Sheet must be handed over to the Invigilator before you leave the Examination Hall.
8. No Rough Work is to be done on the Answer Sheet. Space for Rough Work has been provided in the Question Booklet.

PART—A : GENERAL ENGLISH

(Marks : 80)

Each question carries 2 marks

1. Choose the correct article combination :

"After ____ hour-long meeting, we finally reached ____ conclusion that ____ solution was ____ best possible one."

- (A) an, a, a, the
- (B) a, the, the, the
- (C) an, the, the, the
- (D) the, a, a, the

2. Which sentence uses the definite article correctly?

- (A) The happiness is something everyone seeks.
- (B) I saw the man you were talking about yesterday.
- (C) She loves the chocolates, but I prefer a fruit.
- (D) He went to the prison to visit his friend who is a prisoner.

3. Which sentence has correct subject-verb agreement?

- (A) Either the manager or his assistants is responsible for the error.
- (B) Neither the books nor the magazine were returned on time.
- (C) The committee are divided in their opinions.
- (D) A group of tourist was taking photos near the monument.

4. Identify the incorrect sentence.

- (A) Ten miles is a long distance to walk.
- (B) Physics have always been my favourite subject.
- (C) The data shows a significant trend.
- (D) Bread and butter is his usual breakfast.

5. Identify the correct exclamatory transformation of the given sentence :

"It was a very thrilling match."

- (A) What a thrilling match it was!
- (B) How thrilling a match was!
- (C) What thrilling match it was!
- (D) How a thrilling match it was!

6. Which sentence correctly uses the present perfect tense?

- (A) I finish my homework.
- (B) I have finished my homework.
- (C) I was finishing my homework.
- (D) I had finished my homework.

7. Which sentence shows that one action was completed before another in the past?

- (A) He eats dinner when I arrive.
- (B) He was eating dinner when I arrived.
- (C) He had eaten dinner before I arrived.
- (D) He will eat dinner before I arrive.

8. What does 'figure out' mean?

- (A) To calculate a number
- (B) To understand or solve something
- (C) To draw a figure
- (D) To look at something

9. What does 'called off' mean in the given sentence?

"They called off the meeting."

- (A) Postponed
- (B) Continued
- (C) Cancelled
- (D) Started

10. Which sentence uses the preposition incorrectly?

- (A) She has an innate talent for playing the piano.
- (B) His insistence on punctuality borders on obsession.
- (C) The lawyers argued on the defendant's behalf.
- (D) We were all surprised in his sudden resignation.

11. Which modal verb shows strong obligation or necessity?

- (A) Could
- (B) May
- (C) Must
- (D) Might

12. Identify the correct direct-to-indirect transformation :

She said, "I might visit Japan next summer."

- (A) She said she might visit Japan the following summer.
- (B) She said she may visit Japan next summer.
- (C) She said she would visit Japan next summer.
- (D) She said she might be visiting Japan next summer.

13. Which pair completes the given sentence correctly?

"_____ my brother _____ my sister knows how to cook."

- (A) Either/or
- (B) Neither/nor
- (C) Both/and
- (D) Not only/but also

14. Which sentence uses correlatives incorrectly?

- (A) She wants either tea or coffee.
- (B) He likes neither apples nor oranges.
- (C) They visited both Paris and London.
- (D) Not only she sings but also dances.

15. Identify the grammatically correct version :

Original : "Not only she wrote the screenplay but also directed the film."

- (A) Not only she wrote the screenplay but also directed the film.
- (B) Not only did she write the screenplay but also directed the film.
- (C) Not only did she write the screenplay but she also directed the film.
- (D) Not only wrote she the screenplay but also directed the film.

16. Choose the correct revision :

Original : "Each of the candidates have submitted their portfolios."

- (A) Each candidate have submitted their portfolios.
- (B) Each of the candidates has submitted their portfolio.
- (C) Each of the candidates has submitted his or her portfolio.
- (D) Each candidates have submitted their portfolios.

17. Identify the active voice equivalent of the given passive sentence :

Passive : "The manuscript is believed to have been written by a 16th century scholar."

- (A) A 16th century scholar is believed to write the manuscript.
- (B) People believe that a 16th century scholar wrote the manuscript.
- (C) A 16th century scholar wrote the manuscript, people believe.
- (D) The manuscript was written by a 16th century scholar, it is believed.

18. Which passive sentence keeps the same meaning as the active one?

Active : "The discovery of penicillin revolutionized modern medicine."

- (A) Modern medicine was revolutionized by the discovery of penicillin.
- (B) Modern medicine revolutionized the discovery of penicillin.
- (C) The discovery of penicillin was revolutionized by modern medicine.
- (D) Modern medicine had been revolutionized by the discovery of penicillin.

19. Which sentence demonstrates the correct use of the superlative degree?
- (A) She is the most tallest player on the team.
 - (B) This is the least interesting of all the proposals.
 - (C) He is elder than his brother by two years.
 - (D) Of the twins, Maya is the most oldest.
20. Identify the grammatically incorrect comparative form.
- (A) The results were less satisfactory than we expected.
 - (B) Her explanation was further from the truth than his.
 - (C) This fabric feels more softer than silk.
 - (D) His approach is more conservative than hers.
21. Which of the following compound words is written incorrectly?
- (A) Mother-in-law
 - (B) Well-being
 - (C) Note-book
 - (D) Self-esteem
22. Choose the sentence that uses a hyphenated compound word correctly.
- (A) She has a part time-job.
 - (B) He is a well-known artist.
 - (C) They live in a two storey-house.
 - (D) It was a lastminute-decision.
23. Which word means "a person who loves books and collects them"?
- (A) Bibliophile
 - (B) Lexicographer
 - (C) Philologist
 - (D) Logophile
24. Which idiom fits the given context?
- "After years of rivalry, they finally _____ and collaborated on the project."
- (A) turned over a new leaf
 - (B) buried the hatchet
 - (C) let the cat out of the bag
 - (D) jumped on the bandwagon
25. Which word does **not** belong as a synonym for 'fastidious'?
- (A) Meticulous
 - (B) Finicky
 - (C) Lackadaisical
 - (D) Punctilious

26. Select the most precise synonym for 'sagacious' in the given sentence :

"Her _____ advice saved the company from bankruptcy."

- (A) shrewd
- (B) verbose
- (C) garrulous
- (D) loquacious

27. Which word is the most precise antonym of 'ephemeral'?

- (A) Fleeting
- (B) Enduring
- (C) Transient
- (D) Momentary

28. Which word is **not** a true antonym of 'prolific'?

- (A) Barren
- (B) Fecund
- (C) Sterile
- (D) Unproductive

29. Which word correctly completes the given sentence?

"The CEO's _____ remarks failed to address the employees' concerns."

- (A) disinterested
- (B) uninterested
- (C) misinterested
- (D) noninterested

30. Choose the correct word for the given context :

"The _____ effects of the medication were worse than the disease."

- (A) adverse
- (B) averse
- (C) adversity
- (D) aversive

31. Which foreign phrase means 'an existing condition' and is often used in legal contexts?

- (A) Sine die
- (B) Status quo
- (C) Prima facie
- (D) Pro bono

32. The term 'déjà vu' is properly applied when

- (A) experiencing something entirely new and unfamiliar
- (B) feeling an inexplicable sense of familiarity with a current situation
- (C) recalling a vivid childhood memory
- (D) anticipating a future event with certainty

33. Choose the sentence with the incorrect collective noun usage.

- (A) A parliament of owls sat high in the trees.
- (B) A shrewdness of apes shuffled across the jungle floor.
- (C) A shiver of sharks swam past the coral reef.
- (D) A murder of ravens flew through the sky.

34. Choose the correct phrasal verb to replace the underlined words :

"The professor explained in detail the theory's flaws during the lecture."

- (A) pointed out
- (B) spelled out
- (C) talked over
- (D) gave away

35. Identify the correctly spelled word.

- (A) Conscientious
- (B) Consciencious
- (C) Concientious
- (D) Conshientious

36. The abbreviation 'e.g.' stands for

- (A) exempli gratia
- (B) et cetera
- (C) ex gratia
- (D) ergo gratia

37. Choose the correct plural form for the given sentence :

"Several _____ attended the conference."

- (A) Attorney-Generals
- (B) Attorneys-General
- (C) Attorney Generals
- (D) Attorneys Generals

38. The prefix 'pan-' in 'pandemic' and 'panorama' means

- (A) against
- (B) all
- (C) half
- (D) beyond

39. Which word pair demonstrates a suffix changing a noun to a verb?

- (A) Child → Childhood
- (B) Dark → Darken
- (C) Joy → Joyous
- (D) Theory → Theoretical

40. Which sentence uses a gender-inclusive pronoun correctly?

- (A) Each student must submit their own assignment.
- (B) The doctor finished his rounds.
- (C) A good writer always revises his work.
- (D) The manager should ask for the feedback herself.

PART—B : GENERAL KNOWLEDGE & CURRENT AFFAIRS

(Marks : 100)

Each question carries 2 marks

41. The Parliament passed the North-Eastern Areas (Reorganization) Act, which conferred full Statehood on the autonomous State of Meghalaya, in
(A) 1971
(B) 1972
(C) 1975
(D) 1978
42. Which is the Meghalaya State Tree?
(A) Hollong
(B) Sacred fig
(C) White teak
(D) Ironwood
43. In which year was the East Garo Hills District formed?
(A) 1975 (B) 1976
(C) 1980 (D) 1992
44. The total number of National Parks in Meghalaya is
(A) 2 (B) 3
(C) 4 (D) 5
45. The area of Meghalaya State is
(A) 20429 sq. km
(B) 22429 sq. km
(C) 30400 sq. km
(D) None of the above
46. Out of nine important vegetation types of India, _____ are found in the North-Eastern region.
(A) 6 (B) 7
(C) 8 (D) 9
47. The Meghalaya Startup Policy was introduced in
(A) 2010
(B) 1985
(C) 2015
(D) 2018
48. The first Industrial Policy of Meghalaya was framed in
(A) 1985
(B) 1988
(C) 1990
(D) 1995
49. Based on the 2011 Census, what is Meghalaya's population rank in India in 2025?
(A) 6th
(B) 22nd
(C) 14th
(D) None of the above
50. Mawsmai Falls is located in
(A) Sohiong
(B) Mawpat
(C) Ranikor
(D) Cherrapunjee
51. How many caves have been discovered near Syndai till date?
(A) 10
(B) 11
(C) 12
(D) 15

52. Which battle resulted in the defeat and annexation of the Jaintia Kingdom by the British?
- Battle of Nongkhlaw
 - Battle of Mawkyrwat
 - Battle of Cherrapunjee
 - Battle of Raliang
53. Which traditional institution acts as the governing body in many Khasi villages of Meghalaya?
- Dorbar Shnong
 - Garo Nokma
 - Hima Syiem
 - Jaintia Doloi
54. Which cave in Meghalaya holds the distinction of being the longest cave system in India?
- Krem Mawmluh
 - Krem Lympud
 - Mawsmat Cave
 - Liat Prah Cave
55. Which river primarily forms the main drainage system of the Garo Hills in Meghalaya?
- Jinjiram
 - Simsang
 - Daring
 - Brahmaputra
56. Nalanda University was a great centre of learning, especially in
- Buddhism
 - Jainism
 - Vaishnavism
 - Tantra
57. The gold coins were introduced first in India by the
- Kushanas
 - Greeks
 - Sakas
 - Parthians
58. Which of the following Vedas provides information about the civilization of the Early Vedic Age?
- Rigveda*
 - Yajurveda*
 - Atharvaveda*
 - Samaveda*
59. Hiuen Tsang visited India during the reign of
- Chandragupta I
 - Chandragupta II
 - Harshavardhana
 - Rudradaman
60. Which one of the following Indus Valley sites is in Pakistan?
- Lothal
 - Kalibangan
 - Alamgirpur
 - Harappa
61. Which of the following Indian beaches is **not** formed by the Arabian Sea?
- Varkala Beach
 - Kovalam Beach
 - Radhanagar Beach
 - Palolem Beach

62. Which State has the largest area in India?
 (A) Uttar Pradesh
 (B) Madhya Pradesh
 (C) Maharashtra
 (D) Rajasthan
63. Which State recorded the lowest literacy rate in the 2011 Census?
 (A) Bihar
 (B) Maharashtra
 (C) Arunachal Pradesh
 (D) Kerala
64. Sri Lanka is separated from India by the
 (A) Strait of Malacca
 (B) Strait of Gibraltar
 (C) Palk Strait
 (D) Bering Strait
65. The landforms created by massive earth movements due to plate tectonics are called
 (A) structural landforms
 (B) weathering landforms
 (C) erosional landforms
 (D) depositional landforms
66. With which of the following sectors is the agency short-named as CIBIL associated?
 (A) Insurance sector
 (B) Automobile sector
 (C) Banking sector
 (D) Sugar sector
67. Which one of the following is **not** a clause of the World Trade Organization?
 (A) Lowering trade barriers with negotiations
 (B) Most favoured nation treatment
 (C) Providing financial support to the countries having deficit balance of payments
 (D) Discouraging unfair trade practices such as anti-dumping and export subsidies
68. The views of eminent economist Robert Malthus on population are
 (A) pessimistic
 (B) optimistic
 (C) Both (A) and (B)
 (D) None of the above
69. The main economic problem faced by all societies is
 (A) unemployment
 (B) scarcity
 (C) inequality
 (D) poverty
70. A firm under perfect competition is
 (A) price maker
 (B) price breaker
 (C) price taker
 (D) price shaker
71. At present, the total number of Articles in the Indian Constitution is
 (A) 356
 (B) 395
 (C) 404
 (D) 448

- 72.** The Union Budget is always presented first in the
- (A) Lok Sabha
 - (B) Rajya Sabha
 - (C) Joint Session of the Parliament
 - (D) Meeting of the Union Cabinet
- 73.** The Constitution of India borrowed the scheme of Indian Federation from the Constitution of
- (A) USA
 - (B) Canada
 - (C) United Kingdom
 - (D) Ireland
- 74.** Right to Property was removed from the list of Fundamental Rights during the rule of
- (A) Indira Gandhi Government
 - (B) Morarji Desai Government
 - (C) Narasimha Rao Government
 - (D) Vajpayee Government
- 75.** The Indian Cyber Crime Coordination Centre (I4C) has been established under which Ministry?
- (A) The Ministry of Home Affairs
 - (B) The Ministry of Defence
 - (C) The Ministry of Science and Technology
 - (D) The Ministry of Electronics and Information Technology
- 76.** Which programming language is known for its use in data analysis?
- (A) HTML
 - (B) Python
 - (C) Assembly
 - (D) SQL
- 77.** Which key is used to refresh a web page?
- (A) F1
 - (B) F5
 - (C) F12
 - (D) Ctrl
- 78.** What is adware?
- (A) A malware that displays unwanted advertisements
 - (B) A software for creating ads
 - (C) A type of database software
 - (D) A network protocol
- 79.** What is a firewall's primary function?
- (A) Store data
 - (B) Increase processing speed
 - (C) Protect against unauthorized network access
 - (D) Run applications
- 80.** Which Internet Protocol is used for secure data transfer?
- (A) HTTP
 - (B) HTTPS
 - (C) FTP
 - (D) SMTP
- 81.** Which of the following is/are planetary storm(s)?
- (A) Jupiter's Great Red Spot
 - (B) Solar Flare
 - (C) Saturn's Great White Spot
 - (D) Both (A) and (C)

82. The Government has launched a nasal foreign body removal device developed by startup InnAccel Technologies Private Limited, Bengaluru called
- Noxeno
 - Nasaleno
 - Eleno
 - Nozeno
83. Researchers have discovered a way to make an artificial muscle for which organ?
- Liver
 - Kidney
 - Heart
 - Lungs
84. Which of the following is/are drought-resistant plant(s)?
- Succulents
 - Aloe vera
 - Cacti
 - All of the above
85. Which bird, considered to be one of the most efficient travellers, can fly 800 km in a single day with an occasional flap of its 11 feet long wings?
- Wandering albatross
 - Pelican
 - Siberian crane
 - Kite
86. What is the name of the Government Scheme approved in July 2025 to improve agriculture in low-productivity districts?
- Pradhan Mantri Krishi Samridhhi Yojana
 - Dhan-Vikas Gramin Krishi Yojana
 - Pradhan Mantri Dhan-Dhaanya Krishi Yojana
 - Kisan Utthan Abhiyan
87. In July 2025, Prime Minister Narendra Modi was conferred which civilian honour by Brazil?
- The Order of the Star of Africa
 - The Grand Collar of the National Order of the Southern Cross
 - The Order of the Condor of the Andes
 - The Order of Rio Branco
88. When is the Statistics Day celebrated in India?
- July 15
 - June 21
 - June 29
 - July 1
89. Who is the current and 14th Dalai Lama?
- Lobsang Sangay
 - Tenzin Gyatso
 - Penpa Tsering
 - None of them
90. Who announced the ceasefire between Iran and Israel on 23rd June, 2025?
- Joe Biden
 - Benjamin Netanyahu
 - Donald Trump
 - Abbas Araghchi

PART—C : (i) APTITUDE & REASONING

(Marks : 60)

Each question carries 2 marks

91. The value of a machine depreciates at the rate of 10% every year. It was purchased 3 years ago. If its present value is ₹ 8,748, its purchase price was
- (A) ₹ 10,000
(B) ₹ 12,000
(C) ₹ 14,000
(D) ₹ 16,000
92. What will be the compound interest on a sum of ₹ 25,000 after 3 years at the rate of 12 p.c.p.a.?
- (A) ₹ 9,000.30
(B) ₹ 9,720
(C) ₹ 10,123.20
(D) ₹ 10,483.20
93. The average of five numbers is 20. If each number is multiplied by 2, what will be the new average?
- (A) 30
(B) 40
(C) 50
(D) 60
94. If $a - b = 3$ and $a^2 + b^2 = 29$, find the value of ab .
- (A) 10
(B) 12
(C) 15
(D) 18
95. One-third of Rahul's savings in National Savings Certificate is equal to one-half of his savings in Public Provident Fund. If he has ₹ 1,50,000 as total savings, how much has he saved in Public Provident Fund?
- (A) ₹ 30,000
(B) ₹ 50,000
(C) ₹ 60,000
(D) ₹ 90,000
96. Select the option that is related to the third term in the same way as the second term is related to the first term :
Grief : Anguish :: Pique : ?
- (A) Joy
(B) Anger
(C) Jealous
(D) Tensed
97. Find the relationship between two given numbers on one side of :: and one number is given on another side of :: while another number is to be found from the given alternatives :
68 : 130 :: ? : 350
- (A) 210
(B) 216
(C) 222
(D) 240

98. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then how is A related to D?

- (A) Grandfather
- (B) Grandmother
- (C) Daughter
- (D) Granddaughter

99. Insert the missing number :

8, 7, 11, 12, 14, 17, 17, 22, (....)

- (A) 20
- (B) 22
- (C) 24
- (D) 27

100. Today is 1st April. The day of the week is Wednesday. The day of the week on this day after 3 years will be

- (A) Saturday
- (B) Sunday
- (C) Friday
- (D) Tuesday

101. If SYMBOL is written as NZTMPC in a certain code, how is NUMBER written in that code?

- (A) NVOSEC
- (B) NVOSFC
- (C) MVOSFC
- (D) None of the above

102. In a certain code, HARYANA is written as 8197151. How is DELHI written in that code?

- (A) 45389
- (B) 45678
- (C) 46587
- (D) None of the above

103. A person is moving North, and then he turns to his left and walks 10 metres, and then again he turns right and walks 20 metres, and again he turns right and walks 15 metres. What is the final direction in which he is moving?

- (A) North
- (B) South
- (C) West
- (D) East

104. There are 45 trees in a row. The lemon tree is 20th from the right end. What is the rank of the lemon tree from the left end?

- (A) 26th
- (B) 24th
- (C) 25th
- (D) 27th

105. If 4 cats can kill 4 rats in 4 minutes, how many minutes will it take 8 cats to kill 8 rats?

- (A) 8
- (B) 4
- (C) 2
- (D) 16

106. Form a meaningful word with the first, fourth, seventh and eleventh letters of the word SUPERFLUOUS. What is the first letter of the word?

- (A) O
- (B) E
- (C) S
- (D) L

107. In a 200 m race, A beats B by 50 metres. Also, at the finish line, A was 10 seconds ahead of B. Find the time taken by A to complete the race.

- (A) 30 seconds
- (B) 40 seconds
- (C) 35 seconds
- (D) None of the above

108. In a fictional country of Vegereversia, which of the following provinces is the odd one out?

- (A) PANGOTATOP
- (B) SULTORRAC
- (C) HIABIGOHON
- (D) SINNEGABBAC

109. Find the odd man out :

385, 462, 572, 396, 427, 671, 264

- (A) 385
- (B) 427
- (C) 671
- (D) 264

110. If in a code language, LIQUID is written as PMUVMH, then how can SPACE be written in that code language?

- (A) TEGIW
- (B) WTEGI
- (C) WEIGH
- (D) WTBGI

111. Select the set in which the numbers are related in the same way as are the numbers of the following set :

(64, 100, 328)

- (A) (16, 36, 54)
- (B) (49, 81, 137)
- (C) (25, 49, 148)
- (D) (34, 64, 97)

112. Given that three numbers are such that the second number is twice the first and thrice the third. Also, the average of the three numbers is 44. Then the difference of the first and third is

- (A) 10
- (B) 11
- (C) 12
- (D) 13

113. In every 30 minutes, the time of a watch increases by 3 minutes. After setting the correct time at 5:00 AM, what time will the watch show after 6 hours?

- (A) 10:54 AM
- (B) 11:30 AM
- (C) 11:42 AM
- (D) 11:36 AM

114. If X and Y are two fractions and X is thrice of Y , and multiplication of X and Y is $25/12$, then Y is

- (A) $5/6$
- (B) $6/5$
- (C) $5/8$
- (D) None of the above

115. 40% of $250 = 50\%$ of ?

- (A) 200
- (B) 100
- (C) 150
- (D) 400

116. The traffic lights at three different road crossings change after 24 seconds, 36 seconds and 54 seconds respectively. If they all change simultaneously at 10:15:00 AM, then at what time will they again change simultaneously?

- (A) 10:16:54 AM
- (B) 10:18:36 AM
- (C) 10:17:02 AM
- (D) 10:22:12 AM

117. The ratio of present age of A to B is $4:3$. If C is 8 years younger to B and difference between present ages of A and B is 8 years, then what is C 's age 15 years hence?

- (A) 29 years
- (B) 22 years
- (C) 31 years
- (D) 20 years

118. A sold a mobile phone to B at a gain of 25% and B sold to C at a loss of 10% . If C paid ₹ 5,625 for it, how much did A pay (in ₹) for the phone?

- (A) ₹ 5,000
- (B) ₹ 4,800
- (C) ₹ 4,500
- (D) ₹ 5,100

119. Find the wrong number in the following number series :

6, 13, 32, 69, 130, 223, 348

- (A) 13
- (B) 6
- (C) 223
- (D) 348

120. Which one of the given responses would be a meaningful order of the following?

1. Cutting
2. Dish
3. Vegetable
4. Market
5. Cooking

- (A) 1, 2, 4, 5, 3
- (B) 5, 3, 2, 1, 4
- (C) 3, 2, 5, 1, 4
- (D) 4, 3, 1, 5, 2

PART—C : (ii) ELEMENTARY MATHEMATICS

(Marks : 60)

Each question carries 2 marks

- 121.** How many whole numbers between 100 and 800 contain the digit 2?

(A) 200
(B) 240
(C) 220
(D) 214

- 122.** If $x = 0.5$, then which of the following has the smallest value?

(A) $2^{1/x}$
(B) 2^x
(C) $\frac{1}{x^2}$
(D) $\frac{1}{x}$

- 123.** Find the wrong number in the series

5, 8, 16, 26, 50, 98, 194

(A) 16
(B) 194
(C) 8
(D) 50

- 124.** A man reads $\frac{3}{8}$ of a book on a day and $\frac{4}{5}$ of the remainder on the second day. If the number of pages still unread is 40, then how many pages does the book contain?

(A) 300
(B) 500
(C) 320
(D) 350

- 125.** Find x , if

$$x + \frac{1}{1 + \frac{1}{2 + \frac{1}{3}}} = 2$$

(A) $\frac{7}{10}$

(B) $\frac{17}{10}$

(C) $\frac{11}{10}$

(D) $\frac{13}{10}$

- 126.** 1 L of water is added to 5 L of alcohol and water solution containing 40% alcohol strength. What will be the strength of alcohol in the new solution?

(A) $33\frac{1}{3}\%$

(B) 30%

(C) $33\frac{2}{3}\%$

(D) 33%

- 127.** A line of length 1.5 m was measured as 1.55 m by mistake. What will be the percentage error?

(A) 0.05%

(B) 3.67%

(C) 3.33%

(D) 0.5%

128. An electric wire is sold only in multiples of 1 metre, and a customer requires several lengths of wire, each 85 cm long. To avoid any wastage and to minimize labour, he should purchase minimum length of
- (A) 8.5 metres (B) 17 metres
(C) 1.7 metres (D) 1 metre
129. How many natural numbers are there in between $\sqrt{841}$ and $\sqrt{3249}$?
- (A) 26 (B) 29
(C) 28 (D) 27
130. What will be the average of the first 5 positive even numbers divisible by 9?
- (A) 54 (B) 50
(C) 48 (D) 62
131. In a family of six males and a few females, the average monthly consumption of grain per head is 14.4 kg. If the average monthly consumption per head is 20 kg in the case of males and 6 kg in the case of females, find the number of females in the family.
- (A) 8 (B) 4
(C) 6 (D) 7
132. Two numbers are in the ratio of 2 : 3. If 15 is added to both the numbers, then the ratio between the two numbers becomes $\frac{11}{14}$. The greater number is
- (A) 26 (B) 25
(C) 27 (D) 29
133. A certain sum of money was divided among A, B and C in a certain way. C got half as much as A and B together got. A got one-third of what B and C together got. What is the ratio of A's share to C's share?
- (A) 3 : 4
(B) 1 : 4
(C) 4 : 1
(D) 3 : 5
134. The respective ratio between the present ages of son, mother, father and grandfather is 2 : 7 : 8 : 12. The average age of the son and mother is 27 years. What will be the mother's age after 7 years?
- (A) 40 years
(B) 41 years
(C) 48 years
(D) 49 years
135. Kirti bought a watch for ₹ 1,110 and sold it at a loss of 5%. Its selling price is
- (A) ₹ 1,800
(B) ₹ 1,054.50
(C) ₹ 1,200.50
(D) ₹ 1,500.65
136. For a certain article if discount is 25%, the profit is 25%. If the discount is 10%, then the profit is
- (A) 10%
(B) 20%
(C) 50%
(D) 35%

137. Consider the following statements :

If a money is loaned at simple interest, then the

- (i) money gets doubled in 5 years if the rate of interest is $16\frac{2}{3}\%$
- (ii) money gets doubled in 5 years if the rate of interest is 20%
- (iii) money becomes four times in 10 years if it gets doubled in 5 years

Of these statements

- (A) (ii) alone is correct
- (B) (iii) alone is correct
- (C) (i) and (iii) are correct
- (D) (ii) and (iii) are correct

138. What is the least number of complete years in which a sum of money put out at 40% annual compound interest will be more than tripled?

- (A) 3 (B) 4
- (C) 5 (D) 6

139. A man rows down a river 18 km in 4 hours with the stream and returns in 10 hours. Consider the following statements :

- (i) The speed of the man against the stream is 1.8 km/hr.
- (ii) The speed of the man in still water is 3.15 km/hr.
- (iii) The speed of the stream is 1.35 km/hr.

Which of the above statements are correct?

- (A) (i) and (ii) only
- (B) (ii) and (iii) only
- (C) (i) and (iii) only
- (D) (i), (ii) and (iii)

140. A started at 8:30 AM from a place P to go to a place Q. 30 minutes later, B left P for Q and caught up with A at 11 AM, B reached Q at 12 noon. A will reach Q at

- (A) 12:30 PM
- (B) 1:00 PM
- (C) 12:15 PM
- (D) 12:20 PM

141. Bobby and Billy can complete a job in 28 days and 20 days respectively. They work together for 5 days, after which Billy leaves the job. In how many days does Bobby alone complete the rest of the job?

- (A) 15 days
- (B) 16 days
- (C) 12 days
- (D) 20 days

142. Three pipes A, B, C can fill an empty cistern in 2 hours, 3 hours and 6 hours respectively. They are opened together. After what time should B be closed so that the cistern gets filled in exactly 1 hour and 15 minutes?

- (A) 30 minutes
- (B) 20 minutes
- (C) 45 minutes
- (D) 15 minutes

143. A vessel full of water weighs 40 kg. If it is one-third filled, its weight becomes 20 kg. What is the weight of the empty vessel?
- (A) 25 kg
(B) 15 kg
(C) 20 kg
(D) 10 kg
144. In an examination, 70% of the candidates passed in English, 65% in Mathematics, 27% failed in both the subjects. If 248 candidates passed in both the subjects, then the total number of candidates is
- (A) 200
(B) 300
(C) 400
(D) 100
145. A total of 5 cards is chosen at random from a standard deck of 52 playing cards. What is the probability of choosing 5 aces?
- (A) 0
(B) 1
(C) $\frac{1}{2}$
(D) $\frac{1}{4}$
146. An angle is twice its complementary angle. What is the measure of the angle?
- (A) 30°
(B) 60°
(C) 90°
(D) 120°
147. In a circle with radius 5 cm, a chord is at a distance of 3 cm from the centre. The length of the chord is
- (A) 7 cm
(B) 3 cm
(C) 8 cm
(D) 4 cm
148. The sides of a triangle are in the ratio 5:12:13 and its perimeter is 90 cm. The area (in cm^2) is
- (A) 150
(B) 60
(C) 30
(D) 270
149. The total surface area of a closed hemisphere is 16632 cm^2 . What is the sum of the radius and the diameter of this hemisphere? (Use $\pi = \frac{22}{7}$)
- (A) 172 cm
(B) 126 cm
(C) 168 cm
(D) 154 cm
150. A vertical stick 12 cm long casts a shadow 8 cm long on the ground. At the same time, a tower casts a shadow 40 m long on the ground. The height of the tower is
- (A) 60 m
(B) 65 m
(C) 70 m
(D) 72 m