

DO NOT OPEN THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

QUESTION BOOKLET

SERIES I

Subject : General English, General Knowledge & Aptitude, Arithmetic

BOOKLET SERIAL NO.

Marks : 350

813389

Time : 3 (three) hours

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

INSTRUCTIONS TO CANDIDATES

1. This booklet contains **225 questions** to be answered in a separate OMR Answer Sheet using Black Ball Pen in following three parts.

Part-A-General English : 100 questions, Part-B-General Knowledge & Aptitude : 75 questions and Part-C-Arithmetic : 50 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. Answers must be shown by completely blackening the corresponding circles in the Answer Sheet against the relevant question number by Black Ball Pen. OMR Answer Sheet without marking series/double series marking shall not be evaluated.

Example :

Supposing 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 Ball Point Pen only as below :-

(A) (B) ● (D)

WHICH 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 : 100

Each Question carry 1 mark:

Section-I

A. Choose the correct option to fill in the gaps :

1. _____ elephant eating sugarcane is Rani.
a) the b) an
c) a d) zero article
2. This ring is made of _____ platinum.
a) the b) an
c) a d) zero article
3. That man over there is _____ Euro-pean.
a) the b) an
c) a d) zero article
4. The chairman welcomed James and _____.
a) I b) myself
c) me d) self
5. That picnic basket is
a) theirs b) their's
c) their d) there's
6. That _____ carpet will fit the floor space.
a) rectangular enormous Persian
b) Persian enormous rectangular
c) enormous rectangular Persian
d) enormous Persian rectangular
7. I am not as _____ as you.
a) rich b) richer
c) richest d) most rich
8. Sue is _____ in our group about exam results.
a) the more nervous
b) the most nervous
c) not as nervous as
d) as nervous as
9. I am _____ that you didn't like the play last night.
a) foolish b) missing
c) entertained d) surprised
10. I have _____ things to do.
a) much b) many
c) any d) a little
11. Doesn't the cat want _____ milk?
a) some b) many
c) a number of d) a few
12. Robin dances _____ than his sister.
a) badly b) worst
c) worser d) worse
13. The miners went _____ into the mine to look for gold deposits.
a) deeper b) more deeper
c) longer d) more longer
14. The basket of flowers _____ for grandmother.
a) are b) were
c) is d) being
15. The department of Public Accounts and Statistics _____ a meeting every Monday.
a) hold b) holded
c) holds d) is holding
16. Either Sue or Mary _____ your album.
a) has b) have
c) having d) is having
17. Aerobics _____ an excellent way of keeping fit.
a) are b) am
c) were d) is
18. The group of players _____ to meet the chairman of the Football Association.
a) are wanting
b) were wanting
c) want
d) wants
19. Neither the politician nor his opponent _____ for the discussion.
a) have come
b) has come
c) were coming
d) are coming
20. Bread and butter _____ my staple food.
a) is b) are
c) were d) is being
21. In his new film, Tom Hanks _____ the role of a mafia boss.
a) play b) plays
c) is playing d) was playing

22. Ben was typing out his essay, when I _____ him last night.
 a) phone b) phoned
 c) am phoning d) was phoning
23. I _____ for a taxi since three o'clock and I still can't get one.
 a) waited b) have waited
 c) was waiting d) did wait
24. By the time we reached home last night, Mom _____ dinner.
 a) cooked
 b) has already cooked
 c) had already cooked
 d) already cooked
25. By the time I went to the airport yesterday, the plane _____
 a) will take off
 b) has already taken off
 c) had already taken off
 d) had already took off
26. You have finished your painting, _____
 a) didn't you? b) hasn't you?
 c) haven't you? d) wasn't it?
27. Your brother is a pilot, _____
 a) isn't it? b) isn't he?
 c) wasn't it? d) wasn't he?
28. Who _____ to apply for a new passport?
 a) need b) needs
 c) is needing d) are needing
29. Who _____ Sue and Pam know at the party?
 a) do b) does
 c) is d) are
30. Look at the diagram _____ page 3.
 a) in b) at
 c) on d) inside
31. Please don't lean _____ the glass wall.
 a) on b) over
 c) against d) along
32. Walk _____ Park Street till you come to a roundabout.
 a) at b) along
 c) by d) on
33. The candidates stepped _____ the platform to address the audience.
 a) on b) into
 c) onto d) upto
34. The robbery took place _____ 4 p.m and 6 p.m
 a) from b) since
 c) for d) between
35. She has been studying _____ three hours.
 a) for b) since
 c) between d) until
36. The live telecast of the rocket launch will begin _____ 10 o'clock.
 a) from b) at
 c) till d) on
37. Billie is a doctor _____ his brother is an engineer.
 a) but b) and
 c) yet d) however
38. We can eat at a restaurant _____ we can have a barbecue at home.
 a) and b) either
 c) or d) but
39. In the zoo, there is a lioness _____ has two cubs.
 a) who b) which
 c) whom d) what
40. The teacher along _____ with the students _____ on a mission.
 a) was b) were
 c) are d) have gone
41. She succeeded _____ she was diligent.
 a) although b) though
 c) if d) because
42. We cheered _____ he scored a goal.
 a) when b) while
 c) although d) yet
43. I'm asking who _____.
 a) you called b) did you call
 c) you call d) did you called
44. Tell us what _____ brought.
 a) she has b) has she
 c) they has d) has they
45. He couldn't move the rock despite _____
 a) he was strong
 b) he was stronger
 c) his strength
 d) being strengthful
46. He refused _____ my apology.
 a) accepting b) to accept
 c) exception d) acception

47. Trying to swat a fly off his arm, Peter struck _____ hard.
 a) itself b) himself
 c) myself d) herself
48. One of the passengers collapsed soon after boarding the aircraft but luckily a doctor was _____ to attend to him.
 a) up hand b) in hand
 c) on hand d) at hand
49. The job carries a salary which is good by Indian standards but hardly _____ the preservation of the environment.
 a) comparable with
 b) comparing with
 c) comparison of
 d) comparing to
50. Fighter pilots have to be _____ making split-second decisions.
 a) expert in b) expert at
 c) expert on d) expert of

Section-II

B. Choose the correct meaning for the words and phrases given below :

51. **To agree** means :
 a) accede b) exceed
 c) accept d) except
52. **Accommodate to** means :
 a) adept b) adapt
 c) adopt d) adage
53. **Good tempered, easy and pleasant to talk to** means :
 a) amble b) amenable
 c) amicable d) amiable
54. **Sum of money demanded by a law court as security** means :
 a) pale b) bale
 c) bail d) pail
55. **Odd, strange, attitude meant to amuse** means :
 a) antic b) antique
 c) ante d) anti
56. **The act of going up** means :
 a) assent b) aslant
 c) ascent d) astute
57. **Kind, doing good** means :
 a) benediction b) benefit

- c) beneficial d) beneficent
58. **Part of the horse's harness** means :
 a) brittle b) bridal
 c) bridle d) bevel
59. **To criticise unfavourably** means :
 a) censer b) censor
 c) censure d) centaur
60. **Place where something was or is to be** means :
 a) cite b) site
 c) sight d) shod
61. **Common agreement of opinion** means:
 a) conscious b) conscientious
 c) consensus d) construe
62. **An initial sketch** means :
 a) drought b) draught
 c) draft d) dray
63. **Happiness or contentment** means :
 a) felicity b) facility
 c) faculty d) fidelity
64. **Distinguished** means :
 a) embroiled b) embossed
 c) eminent d) imminent
65. **Sudden and violent entry** means :
 a) irruption b) eruption
 c) erudition d) erratum
66. **Skilful** means :
 a) ingenuous b) ingression
 c) ingratiating d) ingenious
67. **Make a person quiet or calm** means :
 a) soothe b) soot
 c) sooth d) suit
68. **State or condition of the mind** means :
 a) tamper b) temporal
 c) temper d) temporary
69. **Truthfulness** means :
 a) voracity b) vivacity
 c) votality d) veracity
70. **Lasting for a moment** means :
 a) momentous b) momentary
 c) monitory d) monetary

Section-III

C. Choose the correct sentences :

71. (i) The annoying fly continued to hover over his nose.
 (ii) The annoyed man swatted the fly with his newspaper.

(iii) The fly landed in the annoying man's cup of tea.

- a) (i) and (ii)
- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

72. (i) She cooked them a satisfied meal.

(ii) The satisfied guests offered to wash all the dishes

(iii) The meal was satisfying and more than sufficient.

- a) (i) and (ii)
- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

73. (i) We could hear voices from behind the closed door.

(ii) The matter was closed and we had to accept that.

(iii) We were late for the closed restaurant.

- a) (i) and (ii)
- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

74. (i) I felt so humiliated when everyone criticized my presentation.

(ii) I had such a humiliating time at the meeting.

(iii) The humiliating employee did not say a word.

- a) (i) and (ii)
- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

75. (i) Parachuting is the most challenging sport for me.

(ii) We think bungee-jumping is a challenging sport of all.

(iii) John thinks scuba-diving is more challenging than wind-surfing.

- a) (i) and (ii)
- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

76. (i) Don't he write regularly to his parents?

(ii) Doesn't he write regularly to his parents?

(iii) Didn't he write regularly to his parents?

- a) (i) and (ii)

- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

77. (i) Isn't Alan visiting you this Sunday?

(ii) Aren't Alan and Jill visiting you this Sunday?

(iii) Isn't Jill will visit you this Sunday?

- a) (i) and (ii)
- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

78. (i) Hasn't the women's committee get the prizes for the lucky draw yet?

(ii) Haven't the women's committee got the prizes for the lucky draw yet?

(iii) Hasn't the women's committee got the prizes for the lucky draw yet?

- a) (i) and (ii)
- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

79. (i) We witnessed a terrible accident yesterday.

(ii) We have witnessed a terrible accident yesterday.

(iii) We have just witnessed a terrible accident.

- a) (i) and (ii)
- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

80. (i) She has been the senior manager for five years.

(ii) She was the senior manager for five years.

(iii) She is being the senior manager for five years.

- a) (i) and (ii)
- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

81. (i) I will be meeting Betty at our pottery class today.

(ii) I met Betty at our pottery class last Tuesday.

(iii) I will meet Betty at our pottery class today.

- a) (i) and (ii)
- b) (i) and (iii)

- c) (ii) and (iii)
d) (i), (ii) and (iii)
82. (i) Next Saturday, Pat will fly to Zurich for a conference.
(ii) At 10 p.m. next Saturday, Pat will be flying to Zurich for a conference.
(iii) At 10 p.m. next Saturday, Pat flies to Zurich for a conference.
a) (i) and (ii)
b) (i) and (iii)
c) (ii) and (iii)
d) (i), (ii) and (iii)
83. (i) We are going to celebrate Grandpa's 75th birthday on Sunday.
(ii) We will celebrate Grandpa's 75th birthday on Sunday.
(iii) We will be celebrating Grandpa's 75th birthday on Sunday.
a) (i) and (ii)
b) (i) and (iii)
c) (ii) and (iii)
d) (i), (ii) and (iii)
84. (i) The suit was stained soon after I bought it.
(ii) The suit was stained by a stain soon after I bought it.
(iii) The suit was stained by a leaking pen soon after I bought it.
a) (i) and (ii)
b) (i) and (iii)
c) (ii) and (iii)
d) (i), (ii) and (iii)
85. (i) Janet's designs are painted in bright colours by Janet.
(ii) These designs in bright colours are painted by Janet.
(iii) Janet's designs are painted in bright colours.
a) (i) and (ii)
b) (i) and (iii)
c) (ii) and (iii)
d) (i), (ii) and (iii)
86. (i) Whose notepads are these ?
(ii) Whose notepads is these ?
(iii) Whose notepad is this ?
a) (i) and (ii)
b) (i) and (iii)
c) (ii) and (iii)

- d) (i), (ii) and (iii)
87. (i) What magazines does that company publish ?
(ii) What magazines do that company publishes ?
(iii) What magazines do those companies publish ?
a) (i) and (ii)
b) (i) and (iii)
c) (ii) and (iii)
d) (i), (ii) and (iii)
88. (i) Joe enjoys pastimes which exercise his mind.
(ii) Joes enjoys pastimes that are interesting and unusual.
(iii) Joe enjoys pastimes which his brothers find boring.
a) (i) and (ii)
b) (i) and (iii)
c) (ii) and (iii)
d) (i), (ii) and (iii)
89. (i) The pop singer is adored because of her glamour.
(ii) The pop singer is adored because she is glamour.
(iii) The pop singer is adored because she is glamorous.
a) (i) and (ii)
b) (i) and (iii)
c) (ii) and (iii)
d) (i), (ii) and (iii)
90. (i) He failed to convince him despite his eloquent.
(ii) He failed to convince them in spite of his eloquence.
(iii) He failed to convince them despite his eloquence.
a) (i) and (ii)
b) (i) and (iii)
c) (ii) and (iii)
d) (i), (ii) and (iii)

Section-IV

D. Read the following passage and answer the questions given below following the instructions :

Floods, earthquakes, droughts, cyclones, tsunamis etc are natural disasters.

There is no fixed time for these disasters. Thousands of lives are lost and property worth several thousand crores of rupees is destroyed on account of these natural disasters every year. Natural disasters are caused by the forces of nature and are unpredictable. Man has no control over these disasters. Over the years, technological development has enabled man to check some of the natural disasters. Man has created dams to store excess water during rains and thus, check floods. The excess water collected in the dams can be utilised during the times of no rain or drought. Cyclones today can be predicted beforehand. But there is no reliable method of predicting the earthquakes.

When disaster strikes it does not discriminate between rich and poor, classes and masses, and men and women. Everyone is prone to lose everything he or she has. Thousands of people turn destitute within a matter of few minutes. Natural disaster, therefore, is a human problem. People affected by it need all kinds of help from the rest of the humanity. But before we can understand how to manage a natural disaster we must know the nature of disaster and the extent of destruction it can cause.

Choose the appropriate antonyms of the following :

91. **Natural**

- a) Unnatural b) Non-natural
- c) Anti-natural d) Artificial

92. **Valuable**

- a) unvaluable b) invaluable
- c) valueless d) non-valuable

93. **Utilised**

- a) Unused b) Non-utilized
- c) Unutilized d) Non-utility

94. **Problem**

- a) Solution b) Worry
- c) Absolution d) Peril

95. **Predictable**

- a) Impredictable b) Non-predication
- c) Non-predatory d) Unpredictable

Choose the appropriate meaning of the words given below in the specific context of the passage :

96. **Disaster**

- a) Scourge b) Deluge
- c) Mishap d) Calamity

97. **Control**

- a) Reign b) Authority
- c) Power d) Regulation

98. **Excess**

- a) Residue b) Surplus
- c) Redundance d) Full

99. **Discriminate**

- a) Distinguish b) Distinct
- c) Different d) Look down

100. **Destitute**

- a) Poverty
- b) In want
- c) Without resources
- d) Loafer

PART - B - General Knowledge & Aptitude

Marks :150

Each Question carries 2 marks:

101. The Olympic Flame, was, for the first time, ceremonially lighted and burnt in a giant torch at the entrance of the stadium a
- Athens Games (1896)
 - London Games (1908)
 - Paris Games (1924)
 - Amsterdam Games (1928)
102. The Scottish bacteriologist who discovered penicillin was
- Alexander Fleming
 - Albert Einstein
 - Archimeder
 - Aryabhatta
103. The number of already named bones in the human skeleton is
- | | |
|--------|--------|
| a) 200 | b) 206 |
| c) 212 | d) 218 |
104. The purpose of United Nations Fund for Population Activities (UNFPA) is
- studying population dynamics
 - collecting population data
 - evolving population policies, family planning and related programmes
 - All of the above
105. The saffron colour in the national flag signifies
- truth and peace
 - courage and Sacrifice
 - faith and chivalry
 - None of the above
106. The news agency Reuters belongs to which of the following country ?
- | | |
|--------------|---------------|
| a) Palestine | b) Yugoslavia |
| c) Vietnam | d) UK |
107. The sacred place of the followers of Shintoism is
- Central shrine of Ise (Central of Japan)
 - Yasukuni Shrine in Tokyo
 - both are correct
 - None of the above
108. The restoration of the Olympic Games at the end of the last century was at the initiative of a/an
- French baron
 - Greek philosopher
 - German philanthropist
 - English duke
109. The national sport of Canada is
- tennis and cricket
 - lacrosse
 - judo
 - rugby and football
110. The origin of modern badminton is attributed to
- | | |
|-----------|------------|
| a) India | b) Britain |
| c) France | d) Spain |
111. The SAF (South Asian Federation) Game, as a part of the SAARC programme, was first held in
- | | |
|---------|---------|
| a) 1964 | b) 1974 |
| c) 1984 | d) 1994 |
112. The refrigerant commonly used for domestic refrigerators is
- | | |
|------------|----------------------|
| a) alcohol | b) ammonia |
| c) neon | d) None of the above |
113. The North Atlantic Treaty Organisation was created in
- | | |
|---------|---------|
| a) 1945 | b) 1947 |
| c) 1949 | d) 1951 |
114. The range of missile Agni is approximately
- 150 km
 - 1200-2000 km
 - 500 m to 9 km
 - 4 km
115. The process of revival of learning that swept across Europe in 15th and 16th centuries is called
- | | |
|----------------|--------------|
| a) feudalism | b) crusade |
| c) renaissance | d) communism |
116. The significance of the lotus symbol is
- culture and civilisation
 - peace
 - justice
 - sign of mourning, in protest

117. The Roman governor and principal assassin in the murder of Julius Caesar was

- a) Marcus Junius Brutus
- b) Marco Polo
- c) Leon Trotsky
- d) Karl Markx

118. The prize given to individuals fighting for freedom, independence and dignity of people is

- a) Simon Bolivai Prize
- b) Golden Bear Award
- c) David Cohen Award
- d) Owen Global Award

119. The Sports Authority of India was registered as a society in

- a) 1982 b) 1983
- c) 1984 d) 1985

120. The Rh factor refers to

- a) a protein substance found in the blood of some people
- b) a hormone carried by the blood
- c) the ratio of red corpuscles to white corpuscles in the blood
- d) a process that speeds up the clotting of blood

121. The National Emblem was adopted by Government of India on

- a) January 26, 1950
- b) August 15, 1947
- c) August 2, 1950
- d) July 12, 1947

122. The objective of India's space programme was

- a) mass communication and education via satellite
- b) survey and management of natural resources
- c) development of indigenous satellites and satellite launch vehicles
- d) All of the above

123. The prize winning title of Arundhati Roy for Booker's Prize in 1997 was

- a) Amsterdam
- b) The God of Small Things
- c) Disgrace
- d) Last Orders

124. The 'pulse' of the aquatic environment can be ascertained by measuring

- a) nitrogen b) oxygen
- c) alkalinity d) conductivity

125. The number of chromosomes in human body is

- a) 42 b) 44
- c) 46 d) 48

126. Free surface of a liquid behaves like a sheet and tends to contract to the smallest possible area due to the

- a) force of adhesion
- b) force of friction
- c) centrifugal force
- d) force of cohesion

127. Gopal Krishna Gokhale

- a) started as a maths teacher and rose to the position of the principal of Ferguson College, Pune
- b) founded the servants of India Society
- c) served as President of the Indian National Congress in 1905
- d) All of the above

128. GNLF stands for

- a) Gorkha National Liberation Front
- b) Gross National Liberation Form
- c) Both option A and B
- d) None of the above

129. Fa-Hien was

- a) the first Buddhist pilgrim of China to visit India during the reign of Chandragupta Vikramaditya
- b) the discoverer of Puerto Rico and Jamaica
- c) the first Buddhist pilgrim of India to visit China
- d) None of the above

130. Himalayan Mountaineering Institute is at

- a) Darjeeling b) Dehradun
- c) Marmago. d) Dispur

131. In which year of First World War Germany declared war on Russia and France?

- a) 1914 b) 1915
- c) 1916 d) 1917

132. ICAO stands for

- a) International Civil Aviation Organization
- b) Indian Corporation of Agriculture

- Organization
 c) Institute of Company of Accounts Organization
 d) None of the above
133. India has largest deposits of _____ in the world.
 a) gold b) copper
 c) mica d) None of the above
134. How many Lok Sabha seats belong to Rajasthan ?
 a) 32 b) 25
 c) 30 d) 17
135. India's tallest stone statue of the Jain sage Gomateswara is at
 a) Mysore, Karnataka
 b) New Delhi
 c) Sravanabelagola, Karnataka
 d) Mandu, Madhya Pradesh
136. Indian writer Anuradha Roy on 16 January 2016 has won the prestigious \$ 50,000 DSC Prize for South Asian Literature for her novel ?
 a) Sleeping on Jupiter
 b) An Atlas of Impossible Longing
 c) The Folded Earth
 d) None of these
137. Juvenile Justice (Care and Protection of Children) Act, 2015 came into force 15 January 2016. Which ministry is looking after its implementation ?
 a) Union Ministry of Woman and Child Development
 b) Union Ministry of Home Affairs
 c) Union Ministry of Human Resource Development
 d) Union Ministry of Law
138. Who won the Best Actor award at 61st Britannia Filmfare Awards 2016 ?
 a) Ranveer Singh
 b) Amitabh Bachchan
 c) Sooraj Pancholi
 d) Salman Khan
139. Which of the following is India's first state to link government colleges to national cancer grid ?
 a) Rajasthan
 b) Maharashtra
 c) Madhya Pradesh
 d) Odisha
140. What is the purpose of the recently launched "Gyan Chakra" of Indian Army's Western Command ?
 a) To provide education to youngsters about career in Indian Army
 b) To work as a think tank on strategic and national security issues
 c) To collaborate with educational institutions to impart security related awareness in schools
 d) To set up a network of army school in the country
141. What was the venue of recently held fourth Nuclear Security Summit (NSS) ?
 a) New York, USA
 b) Washington DC, USA
 c) Seoul, South Korea
 d) The Hague, Netherlands
142. A news recently reported : Output from the eight core infrastructure industries grew at the fastest pace in 15 months, clocking a 5.7 per cent growth in February". Which of the following is NOT among the core infrastructure industries ?
 a) Fertilizers b) Crude Oil
 c) Electricity d) Pulp & Paper
143. Who is the incumbent head of the United Nations High Commissioner for Refugees ?
 a) Filippo Grandi
 b) Ruud Lubbers
 c) Sadako Ogata
 d) Peter Maurer
144. World's first 'White Tiger Safari' has opened in which state of India ?
 a) Rajasthan b) Madhya Pradesh
 c) Gujarat d) West Bengal
145. Who has won the 2016 Miami Open Men's singles title ?
 a) Rafael Nadal
 b) Novak Djokovic
 c) David Ferrer
 d) Kei Nishikori
146. Unakoti hill, an ancient Shaivite place of worship, is located in which state of India ?
 a) Uttarakhand b) Tamil Nadu
 c) Odisha d) Tripura

147. Which of the following is the newly introduced fully unreserved, superfast train in India ?

- a) Humsafar Express
- b) Antyodaya Express
- c) TEJAS Express
- d) UDAY Express

148. The world's first mass dengue vaccination programme has been launched by which country ?

- a) Israel
- b) Philippines
- c) United States
- d) Russia

149. Who has been conferred with the 2014 the National Geoscience Award for Excellence ?

- a) Muduru Lachhana Dora
- b) Ashok Kumar Singhvi
- c) Vijay V. Mugal
- d) Lalit Khasdeo

150. Myneni Hari Prasad Rao, who died recently, was an architect of which power station of India ?

- a) Rajasthan Atomic Power Station
- b) Madras Atomic Power Station
- c) Narora Atomic Power Station
- d) Tarapur Atomic Power Station

Each Question carries 2 marks:

151. In a certain code, 'bi nie pie' means 'some good jokes' : 'nie bat lik' means 'some real stories' and 'pie lik tol' means 'many good stories'. Which word in that code means 'jokes'?

- a) bi
- b) nie
- c) pie
- d) Can't be determined

152. In a certain code language, (A) 'pit dar na' means 'you are good' (B) 'dar tok pa' means 'good and bad' (C) 'tim na tok' means 'they are bad'. In that language, which word stands for 'they' ?

- a) na
- b) tok
- c) tim
- d) pit

153. Flow : River :: Stagnant : ?

- a) Rain
- b) Pool
- c) Canal
- d) Stream

154. Lucknow, Patna, Bhopal, Jaipur

- a) Shimla
- b) Mysore
- c) Pune
- d) Indore

155. An Informal Gathering occurs when a group of people get together in a casual, relaxed manner. Which situation below is the best example of an Informal Gathering ?

- a) The book club meets on the first Thursday evening of every month.
- b) After finding out about his promotion, Jeremy and a few coworkers decide to go out for a quick drink after work.
- c) Mary sends out 25 invitations for the bridal shower she is giving for her sister.
- d) Whenever she eats at the Mexican restaurant, Clara seems to run into Peter.

156. People speculate when they consider a situation and assume something to be true based on inconclusive evidence. Which situation below is the best example of Speculation ?

- a) Francine decides that it would be appropriate to wear jeans to her new office on Friday after reading about "Casual Fridays" in her employee handbook.
- b) Mary spends thirty minutes sitting in traffic and wishes that she took the train instead of driving.
- c) After consulting several guidebooks and her travel agent, Jennifer feels confident that the hotel she has chosen is first-rate.
- d) When Emily opens the door in tears, Theo guesses that she's had a death in her family.

157. It is appropriate to compensate someone if you have damaged his or her property in some way. This is called Restitution. Which situation below is the best example of Restitution ?

- a) Jake borrows Leslie's camera and the lens shatters when it falls on the ground because he fails to zipper the

case. When Jake returns the camera, he tells Leslie that he will pay for the repair.

b) Rebecca borrows her neighbor's car, and when she returns it, the gas tank is practically empty. She apologizes profusely and tells her neighbor she will be more considerate the next time.

c) Aaron asks Tom to check in on his apartment while he is out of town. When Tom arrives, he discovers that a pipe has burst and there is a considerable amount of water damage. He calls a plumber to repair the pipe.

d) Lisa suspects that the pothole in her company's parking lot caused her flat tire. She tells her boss that she thinks the company should pay for the repair.

158. I. Blueberries cost more than strawberries.

II. Blueberries cost less than raspberries.

III. Raspberries cost more than strawberries and blueberries.

If the first two statements are true, the third statement is

a) true

b) false

c) Above condition is not possible

d) uncertain

159. I. All the trees in the park are flowering trees.

II. Some of the trees in the park are dogwoods.

III. All dogwoods in the park are flowering trees.

If the first two statements are true, the third statement is

a) true

b) false

c) Above condition is not possible

d) uncertain

160. I. The Kingston Mall has more stores than the Galleria.

II. The Four Corners Mall has fewer stores than the Galleria.

III. The Kingston Mall has more stores than the Four Corners Mall.

If the first two statements are true, the third statement is

a) true

b) false

c) Above condition is not possible

d) uncertain

161. I. Class A has a higher enrollment than Class B.

II. Class C has a lower enrollment than Class B.

III. Class A has a lower enrollment than Class C.

If the first two statements are true, the third statement is

a) true

b) false

c) Above condition is not possible

d) uncertain

Read the below passage carefully and answer the questions

Five cities all got more rain than usual this year. The five cities are : Last Stand, Mile City, New Town, Olliopolis, and Polberg. The cities are located in five different areas of the country : the mountains, the forest, the coast, the desert, and in a valley. The rainfall amounts were : 12 inches, 27 inches, 32 inches, 44 inches, and 65 inches.

* The city in the desert got the least rain ; the city in the forest got the most rain.

* New Town is in the mountains.

* Last Stand got more rain than Olliopolis.

* Mile City got more rain than Polberg, but less rain than New Town.

* Olliopolis got 44 inches of rain.

* The city in the mountains got 32 inches of rain ; the city on the coast got 27 inches of rain.

162. Which city got the most rain ?

a) Last Stand

b) Mile City

c) New Town

d) Olliopolis

163. How much rain did Mile City get ?

a) 12 inches

b) 27 inches

c) 32 inches

- d) 44 inches
164. Which city is in the desert ?
- Last Stand
 - Mile City
 - New Town
 - Polberg
165. Where is Olliopolis located ?
- the mountains
 - the coast
 - in a valley
 - the desert
166. Tim's commute never bothered him because there were always seats available on the train and he was able to spend his 40 minutes comfortably reading the newspaper or catching up on paperwork. Ever since the train schedule changed, the train has been extremely crowded, and by the time the doors open at his station, there isn't a seat to be found.
- Tim would be better off taking the bus to work.
 - Tim's commute is less comfortable since the train schedule changed.
 - Many commuters will complain about the new train schedule.
 - Tim will likely look for a new job closer to home
167. When they heard news of the hurricane, Maya and Julian decided to change their vacation plans. Instead of traveling to the island beach resort, they booked a room at a fancy new spa in the mountains. Their plans were a bit more expensive, but they'd heard wonderful things about the spa and they were relieved to find availability on such short notice.
- Maya and Julian take beach vacations every year.
 - The spa is overpriced.
 - It is usually necessary to book at least six months in advance at the spa.
 - Maya and Julian decided to change their vacation plans because of the hurricane.
168. On weekends, Mr. Sanchez spends many hours working in his vegetable and flower gardens. Mrs. Sanchez spends her free time

reading and listening to classical music. Both Mr. Sanchez and Mrs. Sanchez like to cook.

- Mr. Sanchez enjoys planting and growing vegetables.
- Mr. Sanchez does not like classical music.
- Mrs. Sanchez cooks the vegetables that Mr. Sanchez grows.
- Mrs. Sanchez enjoys reading nineteenth century novels.

169. Sara lives in a large city on the East Coast. Her younger cousin Marlee lives in the Midwest in a small town with fewer than 1,000 residents. Marlee has visited Sara several times during the past five years. In the same period of time, Sara has visited Marlee only once.

- Marlee likes Sara better than Sara likes Marlee.
- Sara thinks small towns are boring.
- Sara is older than Marlee.
- Marlee wants to move to the East Coast.

170. Which word does NOT belong with the others ?

- | | |
|-------------|------------|
| a) book | b) index |
| c) glossary | d) chapter |

171. Which word does NOT belong with the others ?

- | | |
|-----------|----------|
| a) guitar | b) flute |
| c) violin | d) cello |

172. Eileen is planning a special birthday dinner for her husband's 35th birthday. She wants the evening to be memorable, but her husband is a simple man who would rather be in jeans at a baseball game than in a suit at a fancy restaurant. Which restaurant below should Eileen choose ?

- Alfredo's offers fine Italian cuisine and an elegant Tuscan decor. Patrons will feel as though they've spent the evening in a luxurious Italian villa.
- Pancho's Mexican Buffet is an all-you-can-eat family style smorgasbord with the best tacos in town.
- The Parisian Bistro is a four-star French restaurant where guests are treated like royalty. Chef Dilbert Olay is famous for his beef bourguignon.

d) Marty's serves delicious, hearty meals in a charming setting reminiscent of a baseball clubhouse in honor of the owner, Marty Lester, a former major league baseball all-star.

173. The film director wants an actress for the lead role of Lucy who perfectly fits the description that appears in the original screenplay. He is not willing to consider actresses who do not resemble the character as she is described in the screenplay, no matter how talented they are. The screenplay describes Lucy as an average-sized, forty something redhead, with deep brown eyes, very fair skin, and a brilliant smile. The casting agent has four actresses in mind. Which two actresses should they consider to be the most appropriate ?

Actress # 1 is a stunning red-haired beauty who is 5'9" and in her mid-twenties. Her eyes are brown and she has an olive complexion.

Actress # 2 has red hair, big brown eyes, and a fair complexion. She is in her mid-forties and is 5'5".

Actress # 3 is 5'4" and of medium build. She has red hair, brown eyes, and is in her early forties.

Actress # 4 is a blue-eyed redhead in her early thirties. She's of very slight build and stands at 5'.

- a) 1, 2 b) 2, 3
c) 1, 4 d) 2, 4

174. The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely. Which situation should the recess aides report to the principal ?

- a) A girl is sitting glumly on a bench reading a book and not interacting with her peers.
b) Four girls are surrounding another girl and seem to have possession of her backpack.
c) Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored.

d) Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds.

175. Zachary has invited his three buddies over to watch the basketball game on his wide-screen television. They are all hungry, but no one wants to leave to get food. Just as they are arguing about who should make the food run, a commercial comes on for a local pizzeria that delivers. The phone number flashes on the screen briefly and they all try to remember it. By the time Zachary grabs a pen and paper, each of them recollects a different number.

1 : All of the men agree that the first three numbers are 995.

2 : Three of them agree that the fourth number is 9.

3 : Three agree that the fifth number is 2.

4 : Three agree that the sixth number is 6; three others agree that the seventh number is also 6.

Which of the numbers is most likely the telephone number of the pizzeria ?

- a) 995-9266
b) 995-9336
c) 995-9268
d) 995-8266

ARITHMETIC

Marks-100

Each Question carries 2 marks:

176. The least multiple of 7, which leaves a remainder of 4, when divided by 6, 9, 15 and 18 is

- a) 74 b) 94
c) 184 d) 364

177. The greatest number which on dividing 1657 and 2037 leaves remainders 6 and 5 respectively, is

- a) 123 b) 127
c) 235 d) 305

178. 100 oranges are bought at the rate of Rs. 350 and sold at the rate of Rs. 48 per dozen. The percentage of profit or loss is

- a) $14\frac{2}{7}\%$ gain b) 15 % gain

- c) $14\frac{2}{7}\%$ loss d) 15 % loss

179. Seats for Mathematics, Physics and Biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats ?

- a) 2 : 3 : 4 b) 6 : 7 : 8
c) 6 : 8 : 9 d) None of these

180. If a quarter kg of potato costs 60 paise, how many paise will 200 gm cost ?

- a) 48 paise b) 54 paise
c) 56 paise d) 72 paise

181. P can complete a work in 12 days working 8 hours a day. Q can complete the same work in 8 days working 10 hours a day. If both P and Q work together, working 8 hours a day, in how many days can they complete the work ?

- a) $5\frac{5}{11}$ b) $5\frac{6}{11}$

- c) $6\frac{5}{11}$ d) $6\frac{6}{11}$

182. Sakshi can do a piece of work in 20 days. Tanya is 25 % more efficient than Sakshi. The number of days taken by Tanya to do the same piece of work is

- a) 15 b) 16
c) 18 d) 25

183. A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is:

- a) 45 km/hr b) 50 km/hr
c) 54 km/hr d) 55 km/hr

184. Two trains, each 100 m long, moving in opposite directions, cross each other in 8 seconds. If one is moving twice as fast the other, then the speed of the faster train is:

- a) 30 km/hr b) 45 km/hr
c) 60 km/hr d) 75 km/hr

185. A train travelling at a speed of 75 mph

enters a tunnel 3.5 miles long. The train is $\frac{1}{4}$

mile long. How long does it take for the train to pass through the tunnel from the moment the front enters to the moment the rear emerges?

- a) 2.5 min b) 3 min
c) 3.2 min d) 3.5 min

186. At what time between 5.30 and 6 will the hands of a clock be at right angles?

- a) $43\frac{5}{11}$ min. past 5

- b) $43\frac{7}{11}$ min. past 5

- c) 40 min. past 5

- d) 45 min. past 5

187. Which is better investment: 11% stock at 143 or 9.75% stock at 117?

- a) 11% stock at 143

- b) 9.75 % stock at 117

- c) Both are equally good
 d) cannot be compared, as the total amount of investment is not given.

188. The banker's gain on a bill due 1 year hence at 12% per annum is Rs. 6. The true discount is:

- a) Rs. 72 b) Rs. 36
 c) Rs. 54 d) Rs. 50

189. Find out the wrong number in the given sequence of numbers:

25, 36, 49, 81, 121, 169, 225

- a) 36 b) 49
 c) 121 d) 169

190. A fires 5 shots to B's 3 but A kills only once in 3 shots while B kills once in 2 shots. When B has missed 27 times, A has killed

- a) 30 birds b) 60 birds
 c) 72 birds d) 90 birds

191. Six years ago, the ratio of the ages of Kunal and Sagar was 6: 5. Four years hence, the ratio of their ages will be 11: 10. What is Sagar's age at present?

- a) 16 years
 b) 18 years
 c) 20 years
 d) Cannot be determined

192. Q is as much younger than R as he is older than T. If the sum of the ages of R and T is 50 years, what is definitely the difference between R and Q's age?

- a) 1 year b) 2 years
 c) 25 years d) Data inadequate

193. Solve:

$$\frac{1}{1 + x^{(b-a)} + x^{(c-a)}} + \frac{1}{1 + x^{(a-b)} + x^{(c-b)}} + \frac{1}{1 + x^{(b-c)} + x^{(a-c)}} = ?$$

- a) 0 b) 1
 c) x^{a-b-c} d) None of these

194. $\frac{1}{1 + a^{(n-m)}} + \frac{1}{1 + a^{(m-n)}} = ?$

- a) 0 b) $\frac{1}{2}$
 c) 1 d) a^{m+n}

195. Simran started a software business by investing Rs. 50,000. After six months, Nanda joined her with a capital of Rs. 80,000. After 3 years, they earned a profit of Rs. 24,500. What was Simran's share in the profit?

- a) Rs. 9,423 b) Rs. 10,250
 c) Rs. 12,500 d) Rs. 10,500

196. A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

- a) 12 days b) 15 days
 c) 16 days d) 18 days

197. Robert is travelling on his cycle and has calculated to reach point A at 2 P.M. If he travels at 10 kmph, he will reach there at 12 noon if he travels at 15 kmph. At what speed must he travel to reach A at 1 P.M.?

- a) 8 kmph b) 11 kmph
 c) 12 kmph d) 14 kmph

198. A man rows to a place 48 km distant and come back in 14 hours. He finds that he can row 4 km with the stream in the same time as 3 km against the stream. The rate of the stream is

- a) 1 km / hr b) 1.5 km / hr
 c) 2 km / hr d) 2.5 km / hr

199. In what ratio must a grocer mix two varieties of pulses costing Rs. 15 and Rs. 20 per kg respectively so as to get a mixture worth Rs. 16.50 kg?

- a) 3 : 7 b) 5 : 7
 c) 7 : 3 d) 7 : 5

200. If $\log \frac{a}{b} + \log \frac{b}{a} = \log (a + b)$, then

- a) $a + b = 1$ b) $a - b = 1$
 c) $a = b$ d) $a^2 - b^2 = 1$

201. In a race of 200 m, A can beat B by 31 m and C by 18 m. In a race of 350 m, C will beat B by

a) 22.75 m b) 25 m

c) 19.5 m d) $7\frac{4}{7}$ m

202. If 6th March, 2005 is Monday, what was the day of the week on 6th March, 2004 ?

a) Sunday b) Saturday
c) Tuesday d) Wednesday

203. An accurate clock shows 8 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon ?

a) 144° b) 150°
c) 168° d) 180°

204. A clock is started at noon. By 10 minutes past 5, the hour hand has turned through

a) 145° b) 150°
c) 155° d) 160°

205. The market value of a 10.5 % stock, in which an income of Rs. 756 is derived by

investing Rs. 9000, brokerage being $\frac{1}{4}$ %, is

a) Rs. 108.25 b) Rs. 112.20
c) Rs. 124.75 d) Rs. 125.25

206. From a pack of 52 cards, two cards are drawn together at random. What is the probability of both the cards being kings ?

a) $\frac{1}{15}$ b) $\frac{25}{57}$
c) $\frac{35}{256}$ d) $\frac{1}{221}$

207. One card is drawn at random from a pack of 52 cards. What is the probability that the card drawn is a face card (Jack, Queen and King only) ?

a) $\frac{1}{13}$ b) $\frac{3}{13}$

c) $\frac{1}{4}$ d) $\frac{9}{52}$

208. The true discount on Rs. 2562 due 4 months hence is Rs. 122. The rate percent is

a) 12 % b) $13\frac{1}{3}$ %
c) 15 % d) 14 %

209. Find out the wrong number in the given sequence of numbers : 22, 33, 66, 99, 121, 279, 594

a) 33 b) 121
c) 279 d) 594

210. The product of two numbers is 2028 and their H.C.F is 13. The number of such pairs is

a) 1 b) 2
c) 3 d) 4

211. What will be the least number which when doubled will be exactly divisible by 12, 18, 21 and 30 ?

a) 196 b) 630
c) 1260 d) 2520

212. The difference between a two-digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number ?

a) 3
b) 4
c) 9
d) Cannot be determined

213. The sum of the digits of a two-digit number is 15 and the difference between the digits is 3. What is the two-digit number ?

a) 69
b) 78
c) 96
d) Cannot be determined

214. A number consists of two digits. If the digits interchange places and the new number is added to the original number, then the resulting number will be divisible by

a) 3 b) 5
c) 9 d) 11

215. If m and n are whole numbers such that

$m^n = 121$, the value of $(m - 1)^{n+1}$ is

- a) 1
- b) 10
- c) 121
- d) 1000

216. A shopkeeper sells some toys at Rs. 250 each. What percent profit does he make? To find the answer, which of the following information given in Statements I and II is / are necessary?

I. Number of toys sold.

II. Cost price of each toy.

- a) Only I is necessary
- b) Only II is necessary
- c) Both I and II are necessary
- d) Either I or II is necessary

217. A 270 metres long train running at the speed of 120 kmph crosses another train running in opposite direction at the speed of 80 kmph in 9 seconds. What is the length of the other train?

- a) 230 m
- b) 240 m
- c) 260 m
- d) 320 m

218. A train 108 m long moving at a speed of 50 km / hr crosses a train 112 m long coming from opposite direction in 6 seconds. The speed of the second train is

- a) 48 km / hr
- b) 54 km / hr
- c) 66 km / hr
- d) 82 km / hr

219. Which of the following statements is not correct?

- a) $\log_{10} 10 = 1$
- b) $\log(2 + 3) = \log(2 \times 3)$
- c) $\log_{10} 1 = 0$
- d) $\log(1 + 2 + 3) = \log 1 + \log 2 + \log 3$

220. The ratio between the perimeter and the breadth of a rectangle is 5 : 1. If the area of the rectangle is 216 sq. cm, what is the length of

the rectangle?

- a) 16 cm
- b) 18 cm
- c) 24 cm
- d) Data inadequate

221. A rectangular park 60 m long and 40 m wide has two concrete crossroads running in the middle of the park and rest of the park has been used as a lawn. If the area of the lawn is 2109 sq. m, then what is the width of the road?

- a) 2.91 m
- b) 3 m
- c) 5.82 m
- d) None of these

222. A boat having a length 3 m and breadth 2 m is floating on a lake. The boat sinks by 1 cm when a man gets on it. The mass of the man is

- a) 12 kg
- b) 60 kg
- c) 72 kg
- d) 96 kg

223. A can run 22.5 m while B runs 25 m. In a kilometre race B beats A by

- a) 100 m
- b) $111\frac{1}{9}$ m

- c) 25 m
- d) 50 m

224. In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together?

- a) 810
- b) 1440
- c) 2880
- d) 50400

225. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither red nor green?

- a) $\frac{1}{3}$
- b) $\frac{3}{4}$
- c) $\frac{7}{19}$
- d) $\frac{8}{21}$
