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

# **QUESTION BOOKLET**

**SERIES I** 

Subjects: General English, General Knowledge and Mathematics

**BOOKLET SERIAL NO.** 

500505

Marks: 300

Time: 2 1/2 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 Ball Pen in following three parts:

Part-A-General English: 50 questions, Part-B-General Knowledge: 50 questions,

Part-C-Mathematics: 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 Cie. 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)



# WHICH IS THE ONLY CORRECT METHOD OF ANSWERING

- 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.
- 3. 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 can	ries 2 marks :	a) incur c) got	b) incurred d) had		
blanks with the c	uestion 1-10, fill in the correct word(s) from the		estion 11-15, choose the		
given alternatives	s.	correct word which	expresses the meaning		
1. She contributes	a lot of money to	of the given word (	Synonyms):		
events.		11. TENDENCY			
a) charitables	고대에서 그는 경영 회에 귀하는 기업상에 대답하셨습니? 그 그 그 아이들은 일 경영에 가지 하는데 되는 것으로 하는데 되었다.	a) unlikely	b) inclination		
c) charity	d) charitable	c) trait	d) fade		
2. He was recently p	promoted to a post.				
a) higher		12. WITHDRAWN			
c) high	d) huge	a) introverted	b) extroverted		
7,	a) mgv	c) frank	d) inferior		
	with the responsibility	13. ASSERTION	13 ASSEDTION		
of looking after the		a) placid	b) instruction		
a) entrust	b) entrusted	c) affirmation	d) furnish		
c) trust	d) trusted	c) all mation	a) turnisn		
4 We must			14. COMMITTMENT		
	_ to work harder next time.	a) duty	b) accuracy		
a) resolved	b) resolve	c) infidelity	d) allegiance		
c) resolute	d) revolve				
5. He assured us th	at he will look the	15. ATTRIBUTE			
problem.		a) untypical	[1] : [1] ( [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]		
a) in	b) by	c) uncharacteristic	d) honour		
c) at	d) into				
<b>y</b> )	u) into		estion 16-20, choose the		
6. James was	of the present situation		n expresses the opposite		
a) assured	b) appeased	meaning of the give	en word (Antonyms):		
c) apprised		46			
	, <b></b>	16. TENTATIVE			
7. Students must le	arn to with various	a) uncertain	b) experiment		
problems.		c) trial	d) definitive		
a) co-opt	b) copes	45 CALIFFONIO			
c) coped	d) cope	17. CAUTIOUS			
•		a) careless	b) careful		
8. The film was	for best sound and pic-	c) caution	d) neglect		
ture		10 TTABILTY			
a) nominated	b) given	18. LIABILTY	1.1. 1		
c) voted	d) noted	a) debt	b) burden		
		c) asset	d) wealth		
<b>9.</b> Josh was	_ to her beauty	19. DISCLOSE			
a) eager	b) keen	a) withhold	h) aynaga		
c) indifferent	d) different	c) reveal	b) expose d) publish		
		o) icvcai	a) puonsii		
이 1000년 1000년 - 1000년 대한	a lot of debt on their	20. EXISTENCE			
investment		Zo. Dinormice			
AA-19		1	T		

- a) occurrence
- b) nothingness
- c) appearance
- d) universal

Directions: In question 21-30, choose the correct answer which best expresses the meaning of the given idiom/phrase:

## 21. monkey business

- a) to behave politely
- b) to behave recklessly
- c) playful or deceptive activities
- d) suitable situation

## 22. a mixed bag

- a) a combination of different things or people
- b) a combination of similar things or people
- c) very easy work
- d) very hard work

#### 23. to come to terms

- a) to have a free choice
- b) not able to have a choice
- c) to reach an agreement
- d) to disagree

## 24. to be in deep water

- a) to learn to swim
- b) to experience lack of oxygen
- c) to be in good terms
- d) to be in serious trouble

#### 25. to fall on deaf ears

- a) eager
- b) ignore
- c) deaf
- d) difficult

#### 26. a dog's life

- a) miserable existence
- b) good life
- c) to be full of restriction
- d) to be loyal

# 27. see eye to eye

- a) to fall in love
- b) to agree with each other
- c) to disagree with each other
- d) to stare at someone

#### 28. at the eleventh hour

- a) to do something innovative
- b) to disrupt an event
- c) at the last possible moment
- d) working hard

#### 29. to put one's foot down

- a) to try to be polite
- b) to apologize to someone
- c) to act firmly
- d) to try on new shoes

## 30. food for thought

- a) something to hide
- b) to prepare food
- c) to experiment with a new recipe
- d) something to consider

Directions: In question 31-35, for the given group of words, choose the correct word from the given alternative:

#### 31. a number of ships

- a) patrole
- b) caravan
- c) crew
- d) fleet

# 32. a professional rider in horse races

- a) dowar
- b) jockey
- c) drover
- d) novice

# 33. something perfectly neat and tidy

- a) immaculate
- b) emulate
- c) insulate
- d) ineffaceable

# 34. a record or table showing the descent of a person or family

- a) biography
- b) philology
- c) genealogy
- d) orology

# 35. a person who can be cheated easily

- a) cynic
- b) fastidious
- c) credulous
- d) antagonist

Directions: In question 36-45, choose the correct pair from the given alternative which has the same relationship as the given group of word:

36. Saturday: Sunday

a) wednesday : Friday

b) Sunday: Tuesday

c) Weekend: Weekday

d) Sunday: Monday

#### 37. Dog: Puppy

- a) Male: Female
- b) Cat: Kitten
- c) Goat: Bleat
- d) Horse: Mare

38. Epic: Poem
a) Sonnet: Stanza
b) Lesson: Teach
c) Art: Artist
d) Subject: English

39. Cricket: Pitcha) Crop: Produceb) Boxer: Ringc) Run: Bowlerd) Assistant: Officer

40. Inch: Centimetre

a) Litre: Heightb) Pound: Weightc) Kilogram: Heavyd) Metre: Measurement

41. Wool: Knitting
a) Stitching: Cotton

b) Pin: Chair

c) Thread: Crochet d) Woolen: Winter

42. Air: Breathe
a) Rain: Water
b) Time: Watch
c) Wine: Grapes

d) Hen: Cock

43. Engineer : Site

a) Man: Woman b) Medicine: Cure c) Judge: Justice d) Doctor: Clinic

44. Apple: Orange

a) Banana : Grapeb) Fruit : Healthc) Yellow : Colourd) Winter : Spring

45. District: State

a) Town : Areab) Capital : Countryc) City : Developmentd) Block : Village

Directions: In question 46-50, answer the following questions from the given passage.

It would be an interesting experiment to ascertain exactly how much or how little one

hears, understands and remembers when listening to a speaker, when reading an announcement, or when studying a book. Few of us grasp all that a speaker says. Sometimes we miss the vital point and as a result our interpretation of the thought is hazy. Occasional "blind sports" in the senses are familiar occurrences. We look but we do not see, we listen but we do not hear. Sometimes we read something hurriedly, or in a sort of mental vacuum, without being at all impressed and later are pleasantly surprised at the thought or beauty of the passage when told of it by someone who read it "seeingly".

**46.** What would be an interesting experiment to determine our understanding of a speaker?

a) to listen

b) to understand

c) to ascertain

d) to remember

**47.** Why should our interpretation of a thought be hazy?

a) we miss an important point

b) we grasp all the points

c) we do not listen attentively

d) we are busy reading a book

**48.** What does "blind spots" mean in the passage ?

a) when our interpretation

b) pool

c) weaknesses

d) resort

**49.** Why are we not impressed sometimes when we read?

a) read hurriedly

b) illegible

c) extinct

d) illegal

**50.** What is the meaning of "hazy"?

a) to be unsure

b) to be sure

c) to feel embarrassed

d) to experience

# PART - B -GENERAL KNOWLEDGE

Marks: 100

		which state of India?		
Each question carries 2 marks:		a) Rajasthan	b) Gujarat	
		c) Assam	d) Arunachal Pradesh	
	vill host the FIFA World Cup			
2022 ?		60. Film and TV insti	tute of India is located at	
a) Russia	b) S. Korea	a) Pune	b) Rajkot	
c) Qatar	d) China	c) Pimpri	d) Perambur	
<b>52.</b> Who is winner of FIFA World Cup 2018?		<b>61.</b> The ozone layer i	restricts	
a) Brazil	b) Croatia	a) Visible light		
c) England	d) France	b) Infrared radiation		
<b>53.</b> Dengue fever is caused by ?		c) X-rays and gamma rays		
a) Bacteria	b) Fungus	d) Ultraviolet radiation	n	
c) Virus	d) Protozoa	62. Sumeeth Reddy is associated with which		
#4 xx 7	C.1 1 1 (77)	sports?		
	or of the book "The story of	a) Badminton	b) Table Tennis	
Kashmir through th	ne Ages"?	c) Hockey	d) Tennis	
a) Nehan Singhal				
b) Arjan Nath Chak	TU.	63. Select the non-metal with a shiny appear-		
c) Amitabh Matoo		ance from the following	ance from the following:	
d) Leher Sethi		a) Gold	b) Silver	
		c) Iodine	d) Sodium	
	personality has been invited			
	ssion of United States Con-	64. Select the egg laying mammal from the fol-		
gress?	netti puolis partijo partijo partijo partijo partijo. Partijo partijo partij	lowing:		
a) Baba Ramdev		a) Bat	b) Platypus	
b) Ratan Tata		c) Ostrich	d) Kiwi	
c) Narendra Modi				
d) Sushma Swaraj		65. Which nobel gas is used to fill the balloons		
		used in weather fore	casting?	
	m is a hydroelectric project	a) Argon	b) Neon	
on which river?		c) Xenon	d) Helium	
a) Krishna	b) Kaveri			
c) Godavari	d) Tungabhadra	<b>66.</b> The method of pol	llination by water is termed	
## XXI I T 1		as		
57. What is the India's rank in the 2018 World		a) Hydrophily	b) Entomophily	
Press Freedom Index (WPFI) ?		c) Omithophily	d) Zoophily	
a) 136 <sup>th</sup>	b) 138 <sup>th</sup>			
c) 135 <sup>th</sup>	d) 137 <sup>th</sup>	67. Which of the foll	owing is an extinct bird?	
		a) Kiwi	b) Emu	
58. Entomology is the science that studies		c) Dodo	d) Ostrich	
a) Behavior of hum	nan beings			
b) Insects		<b>68.</b> Tissues are made up of		
c) The origin and history of technical and scien-		a) Organs	b) Cells	
tific terms		c) Organ systems	d) Fat	

d) Fat

c) Organ systems

d) The formation of rocks.

59. The Manas Wildlife Sanctuary is located in

a) Arun Jaitley c) Alternate Flood and Drought b) Yashwant Sinha d) Hydraulic action c) Murali Manohar Joshi d) Jaswant Singh 80. The basic parameters of India's Foreign Policy were laid down by 70. India's first nuclear blast at Pokhran in a) Dr. Rajendra Prasad Rajasthan took place in b) Dr. Radhakrishnan a) 1984 b) 1974 c) Jawahar Lal Nehru c) 1964 d) 1954 d) Dr. Zakir Hussain 71. Which one of following is modified stem 81. In India, planned economy is based on a) Carrot b) Sweet potato a) Gandhian system c) Coconut d) Potato b) Socialist system c) Capitalist system d) Mixed Economy system 72. Which of the following animals breathes through the skin? a) Fish b) Pigeon 82. The largest blood vessel in the human body d) Cockrooch c) Frog a) Vena cava b) Artery 73. Litmus, used in laboratory is typically obd) Pulmonary Vein c) Aorta tained from a) Green algae 83. Name the famous king of Kushan Dynasty? b) Blue-green algae a) Kanishka b) Pulakesin c) Lichen c) Harsha d) Vikramaditya d) Fungi 84. Who authored, India's National Song? a) Rabindra Nath Tagore 74. The computer monitor is which type of device? b) Subramaniam Bharati a) Scanning c) Bankim Chandra Chatterjee b) Input c) Software d) Output d) Mulk Ray Anand 75. The conductivity of a super-conductor is 85. Coral reefs in India can be found in b) Small a) Infinite a) The coast of Orissa c) Zero d) Large b) Waltair c) Rameshwaram 76. Which one of the following is not a sea d) Trivandrum port? a) Paradeep b) Haldia 86. For seeing objects at the surface of water c) Diamond Harbour d) Dhamra from a submarine under water, the instrument used in 77. Which Indian state has the largest number a) Kaleidoscope b) Periscope d) Telescope of cotton Textile Mills? c) Spectroscope a) Madhya Pradesh b) Maharastra c) Gujarat d) West Bengal 87. Who has the right to transfer any case anywhere in India? 78. The capital of Syria is a) President a) Rabat b) Supreme Court b) Muscat c) High Court c) Damascus d) Constantinople d) Union Law Minister 79. Widening of River Valley takes place due

to

a) Corrosion

b) Lateral erosion

88. Tropophytes can withstand

a) High temperature

b) Chilly climate

c) Alternate deficit and conditions	l surplus torus climatic
d) None of these	
89. The EXIM Bank of	India was established in
a) 1964	b) 1976
c) 1980	d) 1982
	4) 1902
90. Which of the follow	ing passes leads to Leh?
a) Zozila	b) Shipki La
c) Chumbi Valley	d) Banihal
91. Souring of milk is d	
a) Protozoa	b) Bacteria
c) Virus	d) Nematode
92 Growth in plant oos	
92. Growth in plant occ a) Whole life	vui
b) For definite period	
이 그리지 않는 그림 그리고 있는데 아이를 가지 않는데 되었다. 그래 하면서 그리고 있는데 없었다.	on along to along
c) Growth does not take	es place in plant
d) None of these	
93. The nature of nerve	e impulse is
a) Physical	b) Chemical
c) Electrochemical	d) Biophysical
o) Breen concinion	a) Biophysical
94. Which of the follow	ing year was celebrated
as International year of	
a) 2006	b) 2010
c) 2015	d) 2008
	4) 2000
95. Champion Trophy i	s associated with
a) Football	b) Hockey
c) Badminton	d) Chess
96. Which state has become	ome the first Indian state
to pass Land Title Bill?	
a) Gujarat	b) Rajasthan
c) Haryana	d) Assam
07 Th. b. : 10 C	ON 4 F
97. The Regional Confe	
States on Child Adoption	n has been held in which
city of India?	
a) Agartala	b) Aizawl
c) Shillong	d) Itanagar
98. Goa was liberated	from the Portugese in
the year	nom the rortugese iii
a) 1948	b) 1965
c) 1961	d) 1960
<b>5) 1501</b>	u) 1900
00 India participated in	Olympics Hockey first

a) 1918 b) 1928 c) 1938 d) 1948

100. Solid Carbon dioxide is otherwise known as a) Dry ice b) Wet ice c) Solidified d) Dry Carbon

time in

# PART - C - MATHEMATICS

## Marks:100

# Each question carries 2 marks:

**101.** The smallest value of n for which 2n + 1 is not a prime is

a) 1

b) 4

c) 6

d) 7

102. The difference between two numbers is 1365. When the larger number is divided by the smaller one, the quotient is 6 and the remainder is 15. The smaller number is

- a) 165
- b) 240
- c) 270
- d) 360

**103.** The smallest number of five digits exactly divisible by 476 is

- a) 10000
- b) 10472
- c) 10476
- d) 17600

104. The HCF of 48, 84 and 120 is

- a) 60
- b) 48
- c) 24
- d) 12

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

- a) 127
- b) 223
- c) 235
- d) 305

**106.** What is the LCM of  $(x+5)^2(x+1)^3(x-3)$  and  $(x-3)^2(x+5)(x+1)$ 

- a)  $(x + 5)^2(x + 1)^3(x 3)^2$
- b)  $(x + 5)^2 (x + 1)^3 (x 3)$
- c)  $(x-3)^2(x+5)(x+1)$
- d)  $(x+5)^3(x+1)^2(x-3)$

107. If  $\frac{1}{6.198}$  = 0.16134, then the value

of  $\frac{1}{0.0006198}$  is

- a) 0.016134
- b) 0.16134
- c) 16134
- d) 1613.4

**108.** When 52416 is divided by 312, the quotient is 168. What will be the quotient when 52.416 is divided by 0.0168?

- a) 3.12
- b) 312
- c) 3120
- d) 31.2

109. 
$$\frac{2}{2 + \frac{2}{3 + \frac{2}{3 + \frac{2}{3}}}} + 1.22 = ?$$

- a)  $\frac{1}{3}$
- b) 6

c) 2

d)  $\frac{1}{6}$ 

110. What should be added to  $\frac{33}{16}$  so as to get

- $\frac{73}{32}$
- a)  $\frac{3}{32}$
- b)  $\frac{7}{32}$
- c)  $\frac{3}{73}$
- d)  $\frac{32}{73}$

111.  $\frac{3}{4} \left( 1 + \frac{1}{3} \right) \left( 1 + \frac{2}{3} \right) \left( 1 - \frac{2}{5} \right) \left( 1 + \frac{6}{7} \right) \left( 1 - \frac{12}{13} \right) = ?$ 

- a)  $\frac{1}{7}$
- b)  $\frac{1}{6}$

c)  $\frac{1}{5}$ 

d) 1

**112.**  $4^7 \times 2^5 \times 8^3 \div 16^2 \div (2^2)^2 = ?$ 

- a)  $2^{7}$
- b)  $2^{8}$
- c)  $4^7$

d) 48

113.  $(256)^{0.16}$  x  $(256)^{0.09}$  =

- a) 64
- b) 16

c) 4

d) 256.25

114.  $5^{(x+3)} = (25)^{(3x-4)}$ , then find the value of x?

a)  $\frac{1}{5}$ 

- b)  $\frac{11}{5}$
- c)  $\frac{11}{3}$
- d)  $\frac{13}{5}$

115. If  $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a + b\sqrt{3}$ , then the value

of a is

a) 11

- b) -6
- c) -11
- d) 6

116. The average weight of 20 persons living in building A of a colony is 60 kg. In the same colony, the average weight of 24 persons living in building B is 58 kg. Find the combined average weight of persons living in that colony.

- a) 59.8 kg
- b) 58.9 kg
- c) 85.9 kg
- d) 95.8 kg

**117.** The average age of 30 students is 9 years. If the age of the teacher is included, it becomes 10 years. What is the age of the teacher?

- a) 35 years
- b) 38 years
- c) 40 years
- d) 42 years

118. A man walks from A to B at the rate of 5 km per hour and return back at the rate of 3 km per hour. What is the average speed for the whole journey?

a) 4 km/hr

AA-19

- b) 3 km/hr
- c)  $3\frac{1}{2}$  km/hr
- d)  $3\frac{3}{4}$  km/hr

**119.** If x : y = 5 : 2 then (8x + 9y) : (8x + 2y) is

- a) 26:61
- b) 61:26
- c) 22:29
- d) 29:22

**120.** Two numbers are in the ratio of 3:5, if 9 is subtracted from each they are in the ratio of 12:23. The first number is

- a) 55
- b) 44
- c) 33
- d) 22

**121.** 8 out of 320 parts of the lawn is tiled. What percentage of the lawn is tiled?

- a) 2.5 %
- b) 3 %
- c) 4.5 %
- d) 5 %

122. Lucas spends 40% of his salary on food, 2% on house rent, 10% on entertainment and 10% on conveyance. If his savings at the end of a month is Rs.1500, then his monthly salary is

- a) Rs.6000
- b) Rs.7500
- c) Rs.8000
- d) Rs.10000

123. The ratio of cost price to selling price is4:5. The profit percentage is

- a) 25%
- b) 30%
- c) 20%
- d) 35%

**124.** A sells a bicycle to B at a profit of 20%. B sells it to C at a profit of 25%. If C pays Rs.225 for it, the cost price of the bicycle for A is

- a) Rs.110
- b) Rs.125
- c) Rs.150
- d) Rs.200

**125.** The price of a VCR is marked at Rs.12000. If successive discounts of 15%, 10% and 5% be allowed, then at what price does a customer buy it?

- a) Rs.9400
- b) Rs.8856
- c) Rs.7289
- d) Rs.8721

**126.** Simple interest on a certain sum is  $\frac{1}{16}$  of

the sum. Find the time in years, if time is numerically equal to the rate percent.

- a) 2 years
- b) 2.5 years
- c) 3 years
- d) 3.5 years

127. At what rate percent per annum simple		C together could do it in 2 hours. How long will		
그 내 작 경험이 맛있다면 하다 그렇게 된다. 네티를 먹는 맛이 그 그를 꾸다니셨다.	money double itself in 8	B alone take to do i		
		a) 24 hours	b) 12 hours	
a) 12%	b) 12.5%	c) 10 hours	d) 8 hours	
c) 8%	d) 8.5%			
		135. A can finish a work in 24 days, B in 9 days		
128. Albert invesred an amount of Rs.8000 in a		and C in 12 days. B and C start the work but are		
fixed deposit scheme for 2 years at compound		forced to leave after 3 days. The remaining work		
interest at the rate of 5% p.a. How much amount		was done by A in:		
will he get on maturity	of the fixed deposit?	\ 11 1	12121	
a) D = 9600	1.) D = 0.000	a) 11 days	b) 10 days	
a) Rs.8600 c) Rs.8800	b) Rs.8620 d) Rs.8820	c) 6 days	d) 5 days	
C) NS.0000	u) Ns.8820	136 Two inlet nine	s take 10 min and 20 min to	
129 A sum of money i	nvested at compound in-	<b>136.</b> Two inlet pipes take 10 min and 20 min. to fill an empty tank. But they take 25 min. to fill it		
그들은 그리 마른의 자른 가는 그렇게 되었다면서 그릇 이렇게 이 득히 있다.	.800 in 3 years and to	because of a leak. How much time will the leak		
	e rate of interest per an-	take to empty a full tank (approximately).		
num is	•		(upp. 0))	
		a) 9 min	b) 18 min	
a) 3%	b) 4%	c) 6 min	d) 30 min	
c) 5%	d) 10%			
			etween two cities is 800 km.	
그 마음이 얼마나 아니는 그렇게 얼마를 하는 그를 다 되었다. 그리는 그렇게 되었다.	a town in India increases	A motor car starts from the first city at the speed		
. 그렇게 하게 되는 것이 없어 있다면 바람들이 되었다면 하는 그 그 그렇게 하는 것이 없는 것이 없는 것이 없다. 점점	its present population is	of 30 km/hr. At the same time, another car starts		
216000, find its popula	tion 2 years ago.		towards the first at the speed	
a) 150000	b) 211040	of 50 km/hr. The distance of the point from the first city where both the car meets is		
a) 150000 c) 200000	b) 311040 d) 180000	first city where bot	n the car meets is	
C) 200000	d) 180000 .	a) 400 km	b) 200 km	
131. Vicky is 6 years old	der than Mary. Five years	c) 300 km	d) 100 km	
	as old as Mary. Find the	c) 300 km	d) 100 km	
present age of Vicky.		138. A man walking at the rate of 5 km/hr		
			15 minutes. The length of	
a) 16 years	b) 8 years	the bridge (in metres) is		
c) 14 years	d) 12 years			
		a) 600	b) 750	
	as B and half as old as C.	c) 1000	d) 1250	
	ge is 85 years then what	400 TH 1 1 C		
is A's age (in years)?		139. The length of the bridge, which a train 130		
a) 34	b) 36		g at 45 km/hr can cross in 30	
c) 40	d) 42	seconds is		
C) 40	u) 42	a) 150 m	b) 245 m	
133. 20 grams of salt solution has 10% water.		c) 225 m	d) 200 m	
마이 보고 있다면 어느 없어 보다 하는데 그렇게 되었다면 살아 보고 있다면 하는데 되었다.	be added to this mixture	c) 223 m	u) 200 m	
to raise the percentage		140. A person can	row 1 km upstream in 20	
	·	회사가 있는 경기 (100명) (100명 기계	downstream in 15 minutes.	
a) 5 grams	b) 2 grams		f rowing in still water?	
c) 3 grams	d) 4 grams			
		a) 2.5 km/hr	b) 3.5 km/hr	
134. A can do a piece	of work in 4 hours; B	c) 4 km/hr	d) 4.5 km/hr	

134. A can do a piece of work in 4 hours; B and C together can do it in 3 hours, while A and

I

- **141.** The length of a room is 5.5 m and width is 3.75 m. Find the cost of paving the floor by slabs at the rate of Rs.800 per sq-metre.
- a) Rs.15000
- b) Rs.15550
- c) Rs.16500
- d) Rs.15600
- **142.** A rectangular field is to be fenced on three sides leaving a side of 20 feet uncovered. If the area of the field is 680 sq.feet, how many feet of fencing will be required?
- a) 40
- b) 34
- c) 88
- d) 68
- **143.** One of the diagonal of a rhombus is double the other diagonal. Its area is 25 sq.cm. The sum of the diagonals is
- a) 8 cm
- b) 10 cm
- c) 12 cm
- d) 15 cm
- **144.** 66 cubic cm of silver is drawn into a wire 1 mm in diameter. The length of the wire in metres will be
- a) 336
- b) 168
- c) 90
- d) 84
- **145.** The ratio of the volume of a cube to that of a sphere which will fit inside the cube is
- a)  $6 : \pi$
- b)  $4 : \pi$
- c)  $4:3\pi$
- d) 2:  $\pi$
- **146.** Which term of the A.P. 1, 3, 5, 7, ...... is 55?
- a) 28
- b) 27
- c) 25
- d) 21
- 147.  $log_3(log_5625)$  is equal to
- a) 15
- b) 5

c) 2

- d) 10
- **148.** If 7 spiders make 7 webs in 7 days, then 1 spider will make 1 web in how many days?
- a) 1

- b) 7
- c) 7.5
- d) 49

- **149.** PQ is a pole and BC is a 30 feet tall building. From P and Q, the angles of elevation of B are 30° and 45° respectively. What is the height
- of the pole (in feet). Take  $\sqrt{3} = 1.732$ ?
- a) 12.68
- b) 13.78
- c) 16.28
- d) 18.27
- **150.**  $\sin 75^{\circ} \cos 15^{\circ} = ?$
- a) 2 sin 75°
- b)  $2 \cos 15^{\circ}$
- c) 1
- d) 0