PART-I

SECTION-I: ENGLISH

Read the passage given below and fill the correct option:

Caged behind thick glass, the most famous dancer in the world can easily be missed in the National Museum, Delhi. The Dancing Girl of Mohenjo-Daro is that rare artifact that even school children are familiar with. Our school textbooks also communicate a wealth of our 5000 years heritage of art. You have to be alert to her existence there, amid terracotta animals to rediscover this bronze image.

Most of us have seen her only in photographs or sketches, therefore the impact of actually beholding her is magnified a million times over. One discovers that the dancing girl has no feet. She is small, a little over 10 cm tall, the length of a human palm, but she surprises us with the power of great art, the ability to communicate across centuries.

A series of bangles of shell or ivory or thin metal clothes her left upper arm all the way down to her fingers. A necklace with three pendants bunched together and a few bangles above the elbow and wrist on the right-hand display almost modern art.

She speaks of the undaunted, ever hopeful human spirit. She reminds us that it is important to visit museums in our country to experience the impact that a work of art leaves on our senses, to find among all the riches one particular vision of beauty that speaks to us alone.

- In the museum she's kept among:
 - (a) dancing figures
- (b) bronze statues
- (e) terracotta animals
- (d) books
- 2. Which information is not given in the passage?
 - (a) The girl is caged behind glass
 - (b) She is a rare artefact
 - (c) School books communicate the wealth of heritage
 - (d) She cannot be rediscovered as she's bronze
- 'Great Art' has power because:
 - (a) It appeals to us despite a passage of time
 - (b) It is small and can be understood
 - (c) It is seen in pictures and sketches
 - (d) It's magnified a million times
- 4. She reminds us:
 - (a) of the never-say-die attitude of humans
 - (b) why museums in our country are exciting
 - (c) why she will make us come into money
 - (d) of dancing figures

5.	(a) body (c) ear	จุ๊นal to the length of human: (b) hand ✓d) palm
11.	Find the correctly spelt word.	
6.	(a) inconvineinced (c) inconvenneinced	(b) inconvenienced (d) inconvinienced
7.	(a) Scarsity (c) Scarecity	(b) Scarety (d) Scarcity
8.	The first the second of the se	(b) receive (d) recieve
9.	(a) Stoecaly (c) Stoicaly	(b) Stoically (d) Stoecally
10.	্বে) Versatile (c) Vorstyle	(b) Verstile (d) Varstile
III. spee expr	esses the same sentence in Dir	
11.	(a) Someone stole my bicycle (b) My bicycle has been stolen (c) I have given away my bicycle (d) A thief has stolen my bicycle	e i sat ya sub meta sewa an sulit cari ini sen ne ya ilipa ngad ana sulit cari ini
12.	My father gave it to the mechanic (a) It was given to the mechanic (b) It has been given to the mechanic (c) The mechanic has taken it a	hic. This is same as: Chanic Dway
13.	(a) It was thrown away	s same as: (b) Someone had thrown it there (d) It is thrown there
14.	Patient to doctor: Good morning A man went to his doctor's clinic (a) can you give me a few minus (b) whether I can have a few minus (c) whether he can give him a few whether he could give him a	inutes of his time .

Patient to doctor: "I have got a severe headache". 15. The patient told the doctor that (a) he has got a severe headache (b) he had got a severe headache (c) I have got a severe headache (d) whether he had got a severe headache A sentence has been given in Active voice. Choose the correct option IV. which express the same sense in Passive voice. They have invited the parents as well as the child. 16. (a) The parents as well as the child has been invited. (b) The child as well as the parents has been invited. The parents as well as the child have been invited. (d) The parents as well as the child had been invited by them. Mrs Sharma knows me. 17. (a) I am known by Mrs Sharma. (b) I was known by Mrs Sharma. I am known to Mrs Sharma. (d) I have known to Mrs Sharma. The manager keeps the work pending. 18. (a) The work are being kept pending by the manager. (b) The work was kept pending by the manager. (c) The work has been kept pending by the manager The work is kept pending by the manager. The masons are building the house. The blood was necessary desired to the control of the control 19. (a) The house is being built by the masons. (b) The house is building the masons. (c) The house was being built by the masons. (d) The house has been built by the masons. Does she want a book? 20... (a) Is the book wanted by her? (b) Is she wanting a book? (c) Is a book wanted by her? (d) Does she wants the book? In the following questions choose the word which best expresses the meaning of the given word. 21. (a) Illogical (b) Hackneyed (c) Bitter (d) Sharp

(b) Greenish-blue

(d) Green

(a) Blue

(e) Reddish-brown

Hazel

22.

23.	Craven (a) Silly (c) Indecent	(b) Cowardly (d) Mean		
24.	Dexterity (a) Cooperation (c) Punctuality	(b) Courtesy (d) Skill		
25.	Intrepid (a) Bold (c) Unadventurous	(b) Timid (d) Unimaginative	nas entraprosent	,415
VI. sent	Select the most approprences:	riate word to fill in the	blanks in follow	wing
26.	It rained last night. (a) heavily (c) kindly	(b) heavy (d) cleverly	estito consideration (a)	
27.	Walk if you don't wan (a) very (c) fastly	t to be late. (b) fast (d) speed	Egge Egge tarreppy	2.5
28.	The bomb exploded with a (a) loud (c) greatly	noise. (b) loudly (d) lowly	and appropriate (a)	
29.	She played the piano (a) beautiful (c) beautifully		Cenada Laigh Lai Sarane	
30.	Where have you been (a) for (c) at	school finished? (b) since (d) as	estang anakantal)	Mr.
VII.	Select the correct term.	54.34.30	house of the first	
31.	(a) Extempore (c) Biography	(b) Misogynist (d) Gratis	early unitary sight or feelinger and established to feeling the groups and the	
32.	A thing agreeable to taste (a) Palatable (c) Wavering	(b) Pompous (d) Degrade	THE THE ESCENAIN SERVICES OF THE SERVICES OF T	
33	. An absolutely clear stater (a) Invisible (a) Explicit	nent (b) Illicit (d) Credulous		ŠĀ.

34.	(a) Fleet of small vessels (c) Murder of oneself	(b) Talks in sleep (d) Act of sacrilege	
35.	That can be believed		
55.	(a) Credible	(b) Unsound	
	(c) Sacrilege	(d) Polyandry	
VIII.	Choose the Antonym of	f the following words.	
	model of Above as a second		
36.	Virtue	THE REPORTED AND PROPERTY OF SECURITION	
	(a) Asset	(b) Quality	
	(e) Vice	(d) Purity	
37.	Keen		
51.	(a) Reluctant	(b) Rogue	
	(c) Ardent	(d) Shrewd	
	(0) / 40	And the same of the person of the same of the same	
38.	Base		
	(а) Нарру	(b) Noble	
	(c) Courageous	(d) Carefully	
		with the second	
39.	Scatter	and the second of the second o	
	(a) Care	(b) Suitable	
	(c) Litter	(d) Gather	
40.	Despair 1990 1990 1990	प्राप्त करते हैं है है के किस है जो किस है जो है किस है जो है है किस है जो है किस है जो है किस है जो है किस है जो किस है जो किस है	
70.		(b) Americals	
	(c) Sorrow	(d) Misery	
	Ct.	alterio la cicle service se puado base grapa paragra	
IX.	Complete each idiom.		
		TR (T)	
41.	To haveto grind.	/1 × A	
	(a) Showel	(b) An Axe	
	(c) Spade	(d) Rake	MV
40	This matter has been	fire for the last many months and	must
42.	efore, be decided one way	or the other.	muse
UICI	(a) Lying	(b) Sitting	
	(c) Dropping	(d) Hanging	
		adapt the while significant and the	15.7
43.		because of his connection.	
	(a) Horse	(b) Yak	
	(c) Elephant	(d) Camel	
44.	Take with a grain of		
44.	(a) Sugar	(h) Wheat	(3)
	(c) Rice	(d) Salt	
TO FILL HER	There is a rest of the following the contract of the contract of	Ca) Sait	

- 45. The whole _____ yards.

 (a) Nine (b) Seven

 (c) Eleven (d) Twenty
- X. Read the following poem carefully and answer the questions that follow:

The sun descending in the west, The evening star does shine; The birds are silent in their nest. And I must seek for mine.

> The moon, like a flower In heaven's high bower, With silent delight Sits and smiles on the night.

Farewell, green fields and happy grove, Where flocks have took delight: Where lambs have nibbled, silent move The feet of angels bright;

> Unseen they pour blessing And joy without ceasing On each bud and blossom, And each sleeping bosom.

They look in every thoughtless nest Where birds are covered warm; They visit caves of every beast, To keep them all from harm:

If they see any weeping
That should have been sleeping,
They pour sleep on their head,
And sit down by their bed.

(Extract from the poem 'Night' by William Blake)

- 46. The evening star rises when
 - (a) the birds leave their nests
 - (b) it is midnight
 - (c) it is dawn
 - (d) the sun descends in the west
- 47. Here, 'bower' represents
 - (a) a potted plant
 - (b) a framework that supports climbing plants
 - (c) a bouquet of flowers
 - (d) a flower vase

48.	The poet compares moon to (a) a flower (b) a bird in the nest (c) an evening star (d) an angel	
49.	Birds' nest is described as 'the (a) the angels are blessing the (b) the birds are covered in the (c) it is made without any the (d) the occupants are asleep	ne birds to be happy ne warmth of their nest ught
50.	The figure of speech used, in (a) Metaphor (b) Personification (c) Alliteration (d) Simile	the line 'In heaven's high bower' is
	SE	CTION-II: HINDI
51.	जर्मन भाषा की लिपि इनमें से कौ	न-सी है?
	(a) फारसी	(b) गुरुमुखी
	(०) रॉमन	(d) देवनागरी
52.	भारतीय संविधान में कितनी भाष	ाओं को मान्यता प्रदान की गई है?
	(a) 15 भाषाओं को	(b) 16 भाषाओं को
	(c) 21 भाषाओं को	(d) 22 भाषाओं को।
53.	नेत्रहीन लोगों के पढ़ने हेतु किस वि	न्नेपि का प्रयोग किया जाता है?
	(a) गुरुमुखी	(b) बरेल
	(c) बेर्ल	८(व) ब्रैल।
	Lastella modility yel tripiti m	क्रम् क्रिके साम्यो करता प्रतिह
54.	उपभाषा कहलाती है -	rent even area area.
	(a) बोली का जो रूप साहित्य में ह	
	(b) जिसे पढ़ा-लिखा वर्ग बोलता ह	
	(c) जो भाषा के समान महत्त्व रख	ती हो।
	(d) दिए गए सभी।	
55.	'ऑ' ध्यनि का आगमन हुआ ।	Effective que l'envers. Part : resus
	(a) फारसी भाषा से	(b) अंग्रेजी भाषा से
	(c) गुरुमुखी भाषा से	(d) हिन्दी भाषा से।
and America	t day in the second of the second second second second second second second	a produce the word of the party of the contract of the contrac
197		

- 56. तद्भव शब्द कहलाते हैं -
 - (a) जो शब्द संस्कृत से ज्यों-के-त्यों हिन्दी में आ गए हैं।
 - जो शब्द संस्कृत से रूप बदलकर हिन्दी में आ गए हैं।
 - (c) जो अंग्रेजी शब्द हिन्दी में बदलकर लिखे जा रहे हैं।
 - (d) जो उर्दू के शब्द उर्दू भाषा के रूप में हिन्दी में प्रयुक्त होते हैं।
- 57. 'योगरूढ़' शब्द होते हैं -
 - (a) यौगिक रूप से बनते हैं।
 - 🌿) यौगिक होने पर किसी विशेष अर्थ का बोध करवाने वाले।
 - (c) तीन या चार शब्दों के योग से बनते हैं।
 - (d) इनमें से कोई नहीं।
- 58. संजा के विकारक रूप कौन-से हैं?
 - (a) लिंग, वचन, काल

(b) लिंग, वचन, क्रिया

(c) लिंग, वचन, कर्म

(d) लिंग, वचन, कारक।

- 59. 'प्रधानमंत्री' शब्द है -
 - (a) पुल्लिंग

- (b) स्त्रीलिंग
- **(८)** स्त्रीलिंग और पुल्लिंग दोनों
- (d) इनमें से कोई नहीं।
- 60. इकारांत तथा ईकारांत स्त्रीलिंग शब्दों में बहुवचन बनाने हेतु जोड़ा जाता है -
 - (a) या

√₺) याँ

(c) ओ

(d) ऐ।

- 61. यदि कारक चिह्नों का प्रयोग न करें तो।
 - (a) वाक्यों का अस्तित्व नहीं रहेगा।
 - (b) वाक्य की सुंदरता समाप्त हो जाएगी।
 - (c) वाक्यों के हाव-भाव मालूम न होंगे।
 - থব) वाक्य सार्थक न बन पाएँगे।
- 62. निम्नलिखित वाक्य के शुद्ध रूप को चिन्हित करें -
 - (a) अपना कार्य खुद अपने-आप करना पड़ता है।
 - (b) अपना कार्य अपने करो।
 - √c) अपना कार्य स्वयं करना पड़ता है।
 - (d) अपना कार्य अपन को करना पड़ता है।

63.	कितने प्रकार के शब्दों से विशेषण शब्दों का निर्माण होता है?	
	(a) चार	(b) दो
	(c) तीन	(d) पाँच।
64.	'शर्माना' क्रिया है -	
	্বে) नाम धातु	(b) संयुक्त
	(c) प्रेरणार्थक	(d) पूर्वकालिक।
65.	क्रिया के जिस रूप से आने वाले सम	य में उसके होने में शंका, संभावना, इच्छा आदि का बोध
हो, व	ह होता है -	
	(a) भविष्यतकाल	(b) संभाट्य भविष्यत
	√ €) सामान्य भविष्यत	(d) इनमें से कोई नहीं।
66.	जिस वाक्य में कर्ता प्रधान हो, क्रिय	ा कर्ता के अनुसार आए, वह होता है -
	(a) कर्तवाच्य	(b) कर्मवाच्य
	(c) भाववाच्य	(व) कर्त्वाच्य।
67.	उतना खाओ, जितना खा सकते हो।	। वाक्य निम्नलिखित में से किसके अंतर्गत आता है?
	(a) कालवाचक क्रियाविशेषण	परिमाणवाचक क्रियाविशेषण
	(c) रीतिवाचक क्रियाविशेषण	(d) विधानवाचक क्रियाविशेषण।
68.	'बेखटके' किस समास का उदाहरण	· · · · · · · · · · · · · · · · · · ·
	(a) तत्पुरुष समास का	(b) कर्मधारय समास का
	🏑 अव्ययीभाव समास का	(d) बहुव्रीहि समास का
69.	किसी संस्था या व्यक्ति के साठ वर्ष	पूर्ण होने पर मनाए जाने वाले उत्सव को कहते हैं?
	(a) प्लेटिनम जुबली	(b) रजत जयंती
	(c) हीरकोत्तर जयंती	√d) हीरक जयंती।
70.	'कागजी घोड़े दौड़ाना' का सटीक अ	
	(a) असर न होना	(b) लिखना
	(व) अरार ज लंबा-पढ़ी करना	(d) मूर्ख
		一种"产品"。产品的他一个可以使用新加强 使 。例如"产

SECTION - III: SOCIAL SCIENCE

71.	Name the Governor General who (a) Lord Cornwallis (c) Lord William Bentick	banned the Sati system in India? (b) Lord Dalhousie (d) None of these
72.	Who was the first woman Preside ✓a) Annie Besant (c) Nellie Sengupta	ent of Indian National Congress? (b) Sarojini Naidu (d) None of these
73. Maha	atama Ganum?	ne Quit India Movement was launched by
	(a) Lucknow (c) Delhi	(b) Bombay (d) Calcutta
74.	Where did the formation of Azad (a) Thailand (c) Russia	Hind fauj take place? (b) Singapore (d) Germany
75. Empi	Who said "Every blow on my boire"-	dy will prove a nail in the coffin of the British
	(a) Lala Lajpat Rai (c) Chandra Shekhar Azad	(b) Bipin Chandra Pal (d) Bal Gangadhar Tilak
76. supp	or the cause of	ne Kheda Satyagraha in Gujarat in 1948 to
	(a) Mil Owners (c) The Peasants	(b) Land Lords (d) Kol Rebellions
77.	Who among the following was th (a) Kalidas (c) Jayasi	ne court poet of Harsha? (d) Banabhatta (d) Kalhan
78.	The battle of Buxar was fought in (a) 1526 (c) 1764	n - (b)1576 (d) 1757
79.	Who gave the slogan 'Back to V ✓a) Swami Vivekananda (c) Swami Dayanand Saraswati	(b) Swami Sampurnanda
80.	Who was the last Viceroy of Ind (a) Lord Canning (c) Lord Rippon	ia? (b) Lord Mountbatten (d) Lord Wellesley
81. Pre	Which amendment of the coamble? (a) 41st Amendment (c) 43rd Amendment	nstitution added the word 'Secular' in the

82.	Domestic Violence Act came i (a) 2005 (c) 2007	nto effect in (b) 2006 (d) 2008
83.	What is the term of Prime Mini (a) 5 Years (c) No Fixed Term	ister as mentioned in the Constitution? (b) 6 Years (d) None of the Above
84.	Who is the interpreter of const (a) Supreme Court (c) Rajya Sabha	itution? (b) Lok Sabha (d) President
85. the f	Supreme Court has made Right collowing rights? (a) Right to life (b) Right against Exploitation (c) Right to freedom of speech (d) Cultural and Educational R	ht to Free Education as the part of which among and expression ights
86.	Who administers oath to the C (a) Chief Minister of the state (c) Governor of the state	hief Justice of High Court? (b) Chief Justice of Supreme Court (d) President of India
87.	Which of the following is relate (a) Food grain production self- (b) Family welfare programme (c) Infrastructure development (d) Employment generation pro	sufficiency
88.	What is the minimum age for a (a) 21 Years (c) 30 Years	candidate to be elected as President of India? (b) 25 Years (d) 35 Years
89.	What is the number of Schedu	les in Constitution of India?
	(a) 8 (c) 12	(b) 10 (d) 21
90. Amei	Who among the following rendments?	eserves the right to initiate the Constitutiona
	(a) President of India (c) High Court	(b) Supreme Court of India
91.	Which of the following is the W (a) Japan (c) Malaysia	/orld's largest archipelago country? (b) Indonesia (d) Philippines
92.	Indus river originates in (a) Kinnaur (c) Nepal	(b) Ladakh

93.	Name the canal joining North Se (a) Suez Canal ✓c) Kiel Canal	ea and Baltic Sea? (b) Panama Canal (d) None of the above	
94.	Which country is the largest pro (a) USA (c) China	ducer of Mica in the world (b) India (d) Australia	?
95.	Which of the following rock conta (a) Igneous Rock (c) Metamorphic Rock	ains fossils? (b) Sedimentary Rock (d) All of these	one and a Administration of the Control of the Cont
96.	Which type of forests occupies t √a)Tropical Deciduous Forest (c) Thorny Forest	he highest percentage of a (b) Tropical Evergreen F (d) Tidal Forest	area in India? orest
97.	River Krishna originate from (a) Eastern Ghats (c) Western Ghats	(b) Northern Ghats (d) Southern Ghats	mvaltyfi ar ereit Ar s T mvaltyfi ar ereit Ar s T magaille ac These
98.	Which of the following is India's (a) Maharashtra (c) Orissa	largest Salt Producing stat (b) Gujarat (d) Kerala	te?
99.	Which of the following desert is (a) Patagonia Desert (c) Kalahari Desert	situated in South Africa? (b) Sahara Desert (d) Gobi Desert	
100.	Name the place from which Rive (a) Nasik (c) Lake Mansarovar	er Narmada originates. (b) Amarkantak (d) Mahabaleshwar	
		PART-II	
	SECTION-I	V: MATHEMATICS	kyroms oo mod Miller Too British
	A cube of side 5 cm is painte meters cubes, how many 1 cubic o	d on all its faces. If it is centimeters cubes will have	sliced into 1 cubic e exactly one of their
faces	painted? (a) 27 (b) 42	(e) 54 (d)	142
102. Subs will b	A circle of maximum possible equently, a square of maximum possible the area of the final square? (a) 3/4 of Original Square. (c) 1/4 of Original Square.	size is cut from a squaressible size is cut from the root of 1/2 of Original Squares (d) 2/3 of Original Squares	esultant circle. What e.

10 cm	 The surface respectively. 	ce area of the three The volume of the	ee co-terminus faces	of a cuboid are 6, 15 and 10
	(a) 30 cm ³	(b) 40 cm ³	(c) 20 cm ³	(d) 35 cm ³
104	4. A point wh	ich lies on both th	e axes is	
	(a) (1, 1)	(b) (0, 1)	(c) (1, 0)	(d) (0, 0)
105	5. If 5A + 25 (a) 15	is equal to B2 (a t (b) 10	wo digits number), the	en the value of A + B is (d) 7
106	(a) one and (b) only two (c) only ter	wo given rational r d only one rationa o rational numbers n rational numbers y many rational nu	S	
107.	A dice is the	rown two times a	nd sum of the number	rs appearing on the dice are
Hote	(a) 6	er of possible outo	(c) 18	(d) 36
108.	In a pie cha (a) 180°	art, the total angle (b) 270°	at the centre of the c	ircle is (d) 90°
109. data	?		ure in °C for 10 days.	What is the range of the
		, 2, 0, 1, 5, 4, 4 (b) 13°C	(c) 10°C	(d) 12°C
repre	esenting his e		and house rent on a	central angle of the sector pie chart is 60°. The amount
ne st	(a) Rs 2500	(b) Rs 5000	(c) Rs 6000	(d) Rs 9000
111.	Which of the (a) 361	e following is not a (b) 1156	a perfect square?	(d) 1681
112.	A perfect sq	uare number hav	ing <i>n</i> digits where <i>n</i> i	s even will have square root
with	(a) n+1 digit	(b) n/2 digit	(c) n/3 digit	(d) (n+1)/2 digit
units	place. Let the	the tens place of digit at units place (b) 10 <i>b</i> + 30	e be b. Then the nur	3 more than the digit in the nber is (d) 10b + 3
		A CHEST WAY		age three years ago was X.
Then	Aruna's prese (a) 3(x - 3)	ent age is	(c) $3x - 9$	(d) 3(x + 3)

115. If two adjacent angles of a parallelogram are $(5x - 5)^\circ$ and $(10x + 35)^\circ$, then the ratio of these angles is				
	(a) 1:3	(b) 2 : 3	(c) 1 : 4	(d) 1:2
116. cm is	Length of on	e of the diagonals o	of a rectangle whose s	sides are 10 cm and 24
	(a) 25 cm	(b) 20 cm	(e) 26 cm	(d) 3.5 cm
117.	Sum of a – b (a) 2c + ab– (c) 2c + ab+		id c – a – ac is (b) 2c – ab– ac – b (d) 2c – ab+ ac + b	
118.	On dividing p (a) 2p + 4	o (4p ² – 16) by 4p (p (b) 2p – 4	0 – 2), we get (e) p + 2	(d) p – 2
119.	The value of	$(7^{-1} - 8^{-1})^{-1} - (3^{-1} - 8^{-1})^{-1}$ (b) 56	4 ⁻¹) ⁻¹ is (c) 68	(d) 12
OI THE	If the cost profollowing is true (a) Profit of 2 (c) Profit of 2	25%	on?	
121. price	To gain 25% of the article v	which costs him Rs	scount of 10%, the sh 360 as (c) Rs 460	nopkeeper must mark the (d) Rs 486
122. The mean of five numbers is 30. If one number is excluded, their mean becomes 28. The excluded number is: (a) 28 (b) 30 (c) 35 (d) 38				
123. Radhika bought a car for Rs 2,50,000. Next year its price decreased by 10% and further next year it decreased by 12%. In the two years overall decrease per cent in the price of the car is (a) 3.2% (b) 22% (c) 20.8% (d) 8%				
124.	(a) x/y remai		ectly with each other, (b) x– y remains co (d) x × y remains co	enstant.
125.	One of the fa	actors of (25x² – 1) (b) 5 – x	+ (1 + 5x) ² is (c) 5x – 1	(d) 10x
126.	The factorisa (a) (x + 1) (x (c) (2x + 2) (ation of 4x ² + 8x + 3 (+ 3) (2x + 5)	(b) (2x + 1) (d) (2x - 1) (2x - 3)	(2x + 3)
127.	Which of the (a) x ² + y ² + (c) xy ²	e following is a facto 2xy	or of $(x + y)^3 - (x^3 + y^3)$ (b) $x^2 + y^2 - xy$ (d) $3xy$)?

128.	(a) 2/3 (c) 0	the empirical probability of an event? いか 3/2 (d) 1
129. schoo a high	In a sample study of 640 people certificate. If a person is selected school certificate is: (a) 0.5 (c) 0.7	e, it was found that 512 people have a high at random, the probability that the person has (b) 0.6
130.	The range of the data: 25, 81, 20, 22, 16, 6, 17,15,12, 3 (a) 10	
131. class	(a) 6	nid value of a class is 10 and the width of the s: (b) 7 (b) 7
132. freque	Let m be the mid-point and 1 be ency distribution. The upper class (a) 2m + I (c) m – I	the lower class limit of a class in a continuous limit of the class is: (b) 2m - 1 (d) m - 2l
133.	(=) 0000 0111	es of a cube is 40 cm, then its volume is: (b) 1600 cm³ (d) 600 cm³
134. be	In a cylinder, radius is doubled a	nd height is halved, curved surface area will
25/	(a) halved same (b) same	(b) doubled (d) four time
135. 10 m	The length of the longest pole that × 5 m) is	at can be put in a room of dimension (10 m × (b) 16 m (d) 12 m
136. ratio	The radii of two cylinders are in to f 5: 3. The ratio of their volumes (a) 10: 17 (c) 17: 27	he ratio of 2 : 3 and their heights are in the is 20 : 27 (d) 20 : 37
137.	The perimeter of an equilateral tr (a) 10√3 m² (c) 20√3 m²	riangle is 60 m. The area is (b) 15√3 m² (ظ) 100√3 m²

- 138. The sides of a triangle are 56 cm, 60 cm and 52 cm long. Then the area of the triangle is
 - (a) 1322 cm²

(b) 1311 cm²

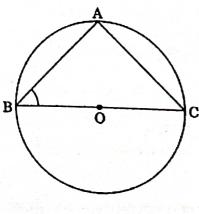
(c) 1344 cm²

- (d) 1392 cm²
- 139. An equilateral triangle of side 9 cm is inscribed a circle. The radius of the circle is
 - (a) 3 cm

(b) 3√2 cm

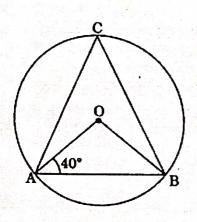
(c) 3√3 cm

- (d) 6 cm
- 140. In the given figure, BOC is a diameter of a circle and AB = AC. Then, ∠ABC =



- (a) 30°
- (c) 60°

- (d) 90°
- In the given figure, O is the centre of a circle. If ∠OAB = 40° and C is a point on the circle, then ∠ACB =



- (a) 40°
- (c) 80°

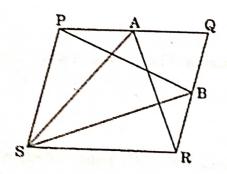
- 4b) 50°
- (d) 100°
- If a triangle and a parallelogram are on the same base and between same parallels, then the ratio of the area of the triangle to the area of parallelogram is
 - (a) 1:3 (b) 1:2

(c) 3:1

(d) 1:4

S/16 CCA/22-PIX-3 A

143. PQRS is a parallelogram and A and B are any points on PQ and QR. If $area(PQRS) = 48 \text{ cm}^2$, then $area(\Delta PBS) + area(\Delta ASR)$ is equal to



(a) 96 cm² (c) 48 cm²

- (b) 36 cm²
- (d) 24 cm²
- Three angles of a quadrilateral are 75°, 90° and 75°, the fourth angle is 144.

(b) 95°

(c) 105°

- (d) 120°
- ABCD is a rhombus such that ∠ACB = 40°, then ∠ADB is
 - (a) 40°

(b) 45°

(c) 50°

- (d) 60°
- 146. The diagonals AC and BD of a || gm ABCD intersect each other at the point O. If $\angle DAC = 32^{\circ}$ and $\angle AOB = 70^{\circ}$, then $\angle DBC$ is equal to
 - (a) 24°

(b) 86°

(e) 38°

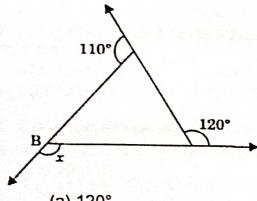
- (d) 32°
- ABCD is a rhombus such that ∠ABC = 40°, then ∠ADC is equal to 147.
 - 4a) 40°

(b) 45°

(c) 50°

(d) 20°

In figure the value of x is



(a) 120°

(b) 130°

(c) 110°

- (d) 100°
- If the point P lies in between M and N and C is mid-point of MP, then:
 - (a) MC + PN = MN
- (b) MP + CP MN
- (c) MC + CN = MN
- Let CP + CN = MN

(2 right choices)

150. Cost of book (x) exceeds twice the cost of pen (y) by Rs 10. This statement can be expressed as linear equation. (a) x - 2y - 10 = 0(b) 2x - y - 10 = 0(c) 2x + y - 10 = 0(d) x - 2y + 10 = 0**SECTION -V: SCIENCE** 151. Acceleration is a vector quantity, which indicates that its value (a) Can be positive, negative or zero (b) Is always negative (c) Is always positive (d) Is zero 152. Two boys A and B are applying force on a block. If the block moves towards the boy A, which one of the following statements is correct? (a) Magnitude of force applied by A is greater than that of B. (b) Magnitude of force applied by A is smaller than that of B. (c) Net force on the block is towards B. (d) Magnitude of force applied by A is equal to that of B. 153. The distance between any two compressions or rarefactions in a longitudinal wave is (a) Half wavelength
(b) Twice the wavelength
(c) One wavelength
(d) One fourth wavelength 154. The frequency of subsonic sound is

(a) more than 20 Hz

(b) 100 Hz

(c) less than 20 Hz

(d) more than 20,000 Hz 155. Mirage is due to (a) unequal heating of different parts of the atmosphere (b) magnetic disturbances in the atmosphere (c) depletion of ozone layer in the atmosphere (d) equal heating of different parts of the atmosphere Magnetism at the center of a bar magnet is 156. (a) minimum (b) maximum
(c) zero (d) minimum or maximum (e) zero 157. A pendulum oscillates 20 times in 4 seconds. Find its time period. (a) 0.05 sec (b) 0.001 sec (d) 0.1 sec (e) 0.2 sec 158. What is the name of instrument which is used to determine atmospheric pressure? (b) Altimeter Annual An (a) Barometer (d) Ammeter about the about particular (c) Fathometer

Commission of Michigan States

(a) (b)	action and reaction forces refe Must act on the same object May act on different objects Must act on different objects Need not be equal in magnitu	ide but act in the same direction
(a)	ropia can be corrected by using concave lens opaque lens	g a (b) convex lens (d) micro lens
(a)	Super conductor Speed conductor	Conductor of electricity. (b) Bad conductor (d) None of these
(a)	dyne (a unit of force in CGS sy 10 ³ g cm/s ² 10 ⁵ kg m/s ²	stem) equals to (b) 10 ⁻³ g cm/s ² (d) 10 ⁻⁵ kg m/s ²
of the foll (a)	body is falling freely under the owing remains constant during Potential energy Total linear momentum	(b) Kinetic energy
164. Th	ne power of an earthquake is	expressed in terms of magnitude on a scale
) Righter scale Richter scale	(b) Quake scale (d) Earth scale
(a (b √ ¢) Energy can be created as we) Energy can be created but no) Energy can neither be create	
proof bot (a	ne synthetic material which car ttles and jar is-) Nylon Polyester	
L a	he substance having the highe ') Hydrogen ') LPG	st Calorific value is- (b) Bio gas (d) CNG
(a t) راد	he following that are stored in value (a) Mercury and Potassium (b) Potassium and Mercury (c) Phosphorous and Sodium (d) Sodium and Phosphorous	water and kerosene respectively are

169.	In destructive distillation the soli		lled		
	(a) Coal	(b) Ash			
•	(e) Coke	(d) Coal-tar			
170.	Sulphur dioxide dissolves in water to give				
-	(a) Sulphurous acid	(b) Sulphur acid			
	(c) Sulphur oxide	(d) Sulphuric acid			
171. Fire fighters' uniform is coated with a plastic that is fire resistant. Identify the					
plastic	from the given options.				
	(a) Teflon	(b) Melamine			
	(c) PET	(d) Polyester			
172. A student classifies chromium as ductile but not carbon. What explains the					
election?					
(b) Chromium can be drawn into thin wires, but carbon cannot (b) Chromium can be made into thin sheets, but carbon cannot					
	(b) Chromium can be made into	thin sneets, but care	thon cannot.		
	(c) Chromium can be heaten to	make sound, but car	arbon cannot.		
	(d) Chromium can be plated over				
a	Two elements X and Y are read	ted with oxygen to fo	rm their respective oxides.		
173.	the discounted in Water Fl	entent A forms a m			
They	e. Element Y forms an acid. Wha	t can element X and	Υ?		
nature	(a) X- Metal; Y - Non-metal				
-	(b) X- Non-metal; Y- Metal				
	(a) V Metal: Y- Metal				
	(d) Y- Non-metal: Y- Non-metal	gent all and the			
	(a)	less conner from the	copper sulphate solution?		
174.	174. Name the element that can displace copper from the copper sulphate solution?				
			(d) Silver		
	70,110				
	Sodium and Phosphorous can	be used in			
175.	Sodium and Phosphologo	(b) Electric wires			
	(a) Machinery	(d) Fuel			
	(e) Fertilizers	l	Which inexhaustible		
	Electricity is produced using many natural resources. Which inexhaustible				
176.		lectricity?	(d) Water		
resou	rce should be used to proceed the control of the co	(c) Petroleum			
	(a) Coal (b) Natural gas By-product obtained after proc	ing coal is useful	in manufacturing plastics,		
	De reduct obtained after proc	essing coal to des			
177.	By-product obtained after procetic dyes, naphthalene balls etc.	the Coal tar			
synth	(a) Coal gas	(d) Paraffin wax			
	(c) Coke				
178.	Shooting stars are called	(b) Galaxies			
	(a) Asterolos	(d) Andromeda			
	(c) Meteors				
	estical and a 1 시간 전략 70% 1 for the Color 그 4 구 20kg (12 12 12 12 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14	The same of the sa	Control of the Contro		

179.	The thermosetting material con (a) Bakelite (c) PVC	sidered versatile is (b) melamine (d) plastic	
180.	Production of Thyroxin requires (a) Sodium (c) Iodine	(b) Magnesium (d) Bromine	
181.	Cell wall of which of these is no (a) Bacteria (c) Cactus	t made up of cellulose (b) Mango tree (d) both a and c	
182.	(a) Ploughing (e) Broadcasting	(d) Seed drilling	
183.	Coloured bodies found scattered (a) Plastids (c) Mitochondria	d in the cytoplasm of plant cells are called (b) Centrosomes (d) Nucleus	
184.	The level of glucose in the blood (a) Pancreas (c) Parathyroid	(b) I hyroid gland	
185. as	Leaving the agricultural land uncultivated for one or more seasons is known		
	(a) Intercropping (c) Mulching	(b) composite farming (d) field fallow	
186.	The role of <i>Nitrobacter in</i> Nitroger (a) Denitrification (c) Decomposition	en cycle is (b) Nitrogen fixation (d) Converting nitrite to nitrate	
187.	Yeast is (a) Multicellular (c) Eukaryote	(b) Unicellular (d) both b and c	
188.	The bacterial disease of plant is (a) Rust disease (c) Citrus canker	(b) Smut disease (d) Mosaic disease	
189.	During the developmental stages (a) Larva (c) Tadpole	s, the silkworm emerges from the (b) Pupa (d) Cocoon	
190.	Bandipur situated in Karnataka is (a) Wildlife Sanctuary	s an example of (b) Biosphere Reserve (d) Sacred Groove	

191.	Nilgiri Tahr is an example of (a) Endemic Species (c) Migratory Animal	(b) Extinct Species (d) Threatened Species			
192.	70 to 80% of volume of a mature (a) Nucleus (c) Cytoplasm	plant cell is occupied by (b) Vacuole (d) Endoplasmic reticulum			
193.	Animal cell in which nucleus is ab (a) Chromosomes (c) Cytoplasm	osent would also lack in (b) Ribosomes (d) Plasma membrane			
194.	(a) Ovary	ametes takes place in (b) Uterus (d) Fallopian Tube			
195.	Egg laying animals are called (a) Viviparous Oviparous	(b) Hermaphrodite (d) both b and c			
196.	A sperm is (a) Single celled (c) Multi-layered	(b) Multicellular (d) single layer with three cells			
197. Once a person is infected with smallpox, he does not suffer from it again as his body contains					
		(b) Antibodies (d) Antibiotics			
198	· · · · · · · · · · · · · · · · · · ·	(b) Storage of grains (d) Harvesting			
199	The scientific name of common (a) Rhizobium (c) Penicillium	bread mould is (b) Rhizopus (d) Yeast			
200	. An example of exocrine gland is (a) Salivary gland (c) Adrenal	(b) Thyroid (d) Ovary and Testis			
