Total No. of Questions: 150

Total No. of Marks: 150

Question Paper Booklet Code

V-108(U)

APRJC - CET - 2019 MPC/EET English / Urdu Medium

HALL TICKET NUMBER

INSTRUCTIONS

- 1. For each question, choose the Best answer from among the four choices given. Bubble the circle if the Best answer number with ball point pen only.
- 2. Before leaving the examination hall, handover the OMR answer sheet to the invigilator.
- 3. Write your hall ticket number in the blocks provided in the Question paper booklet immediately after receiving it.
- 4. Don't write anything in the question paper booklet. However, for any rough work, you can make use of the space provided at the end of the question paper booklet.
- 5. Do **not** overwrite in the OMR answer sheet.
- 6. Each question carries **ONE** mark. There will be **no** negative marks for wrong answer.
- 7. The candidate is allowed to take away the question paper booklet along with him after completion of the examination.

e mmc

PART - I: GENERAL ENGLISH

1.	You	ı may go now.						
	Thi	s sentence can be used:						
	(1)	to take permission	(2)	to make an offer				
Y.	(3)	to give permission	(4)	to make a request				
2.	I fe	el home is a better place to relax.	TO THE STATE OF TH					
		above sentence expresses						
	(1)	Agreement	(2)	Opinion				
1 -	(3)	Prediction	(4)	Refusal				
3.		or friend wishes to meet you but you ress your inability?	are enga	ged with some other work. How do you				
	(1)	By all means	(2)	I'm afraid I cannot make it				
	(3)	You may go now	(4)	I am not your friend				
4.	If I were you, I would help you complete the task.							
	The	above sentence comes under:	mi A star	gawaiga gadha ag illin hitiling a' fillin f				
	(1)	making a suggestion	(2)	making a request				
	(3)	making an offer	(4)	refusing permission				
5.	You	r uncle gave you permission to use	his bike.	Site I South The				
	Hov	v do you express your happiness?	Mar	english of brook by 11				
	(1)	I am very sorry	(2)	Your bike is awesome!				
	(3)	It is very dirty	(4)	It is so kind of you				
6.	He r	received a proportion of his	from se	elling tamarind seeds.				
	Cho	ose a suitable word that fits in the b	lank.	there is not a make of particular				
	(1)	wages	(2)	income				
	(3)	salary	(4)	labour				
1.	The	minister decided to visit the	and ex	tend his support.				
	Choo	ose a suitable hyphenated compoun	d word.					
	(1)	newly-constructed house	(2)	pebble-strewn road				
	(3)	well-educated people	(4)	flood-hit villages				

8.	A person who is unpleasant and tries	to offend p	eople is a/an
	(1) extrovert	(2)	placid
	(3) obnoxious	(4)	suave
9.	I don't want to give way for unnecess	sary matters	
	Choose the right meaning of the under	erlined.	roj. 1
	(1) happen	(2)	allow
	(3) think	(4)	disagree
10.	A person with knowledge and reason	ing is a/an	montani. Gr
	(1) expert bagging (a	(2)	intellectual
	(3) snob	(4)	literate
11.	The judge advised the disputing parti	es to settle	through discussion.
	Replace the underlined word with the	word that	has same meaning.
	(1) negotiation is an a command of		
	(3) vegetation	on (4)	degradation
12.			
	Replace the underlined word with the	word give	n below with same meaning.
	(1) verbatim	(2)	alma mater
	(3) linguafrance	(4)	magnum opns.
13.	Pick out the word that ended with a s	uffix.	i ere di son express pour happane
	(1) discontent was all solid up ?	(2)	conviction
	(3) bicycle way to bank a central (4	(4)	diameter
14.	Oh, I call it a double-faced behaviour	noû	value part some s'es and
			สายที่ใช้เมาใหญ่ เมื่อการ การดูการ
	(1) a compound adjective	(2)	a prepositional phrase
	(3) a noun	(4)	an adjective
15.	Father's face lit up with contentment.	101	activities Seeb Deep 11
	Pick out the right antonym of the und		rdps basens in great to be a servery
	(1) satisfaction	(2)	happiness
	(3) displeasure	(4)	commitment

Stilpad to modey

16.	As	a taken of, Ray	agreed to be th	ie co	-founder for Chitrahani.				
		oose the correct word that							
	(1)	friendliness		(2)	friend				
	(3)	friendly	h- (4)	(4)	friendship				
17.	You	can certainly do it.	- Andes	या जोत	r yasa ni dajî wan 17 ji ji ji ji ni las	1 1			
(6)*	•	word 'can' in the above	sentences indi	icates	licaronpoblecida e e licarde sena d Notario de la compania e e e e e e e e e e e e e e e e e e e				
	·(1)	ability	ansymmistry Talendarian	6,14,	inference				
	(3)	compulsion			obligation				
18.	The	e film industry is expand				-)			
		the same of the sa	approximation and the second		The poet hat the new ways of the	T			
	(1)	compound adjective		(2)	binomial of our serious against				
	(3)	bilingual	1500 51		compound phrase				
19.	Ma	ny great artists paid their	tribute to 'Mal	hana	ti', Savitri.	7			
			THE RESERVE WAS SUBJECT, AT YOU	STAYY C	uj (Charssineed in hingself is. Drd. ogd bloowent is is en difficielle				
	(1)	Verb	and the second	(2)	Preposition	1 31			
	(3)	Adjective	i i i dalama	(4)	Noun				
20.	Picl	c out a word from the op	tions given belo	ow th	at indicates a positive quality.				
	(1)	stubborn		(2)	affable				
	(3)	slovenly		(4)	sarcastic database about o and				
21.	I qu	ickly sat down on a rock	. My father lau	ghed	at my plight.	1			
	1. 13.0	nbine the two sentences u	건강하게 그 일었다.	ž×.	इशा म अध्यक्ष अपूर्ण				
	(1)	When my father laughe	ed, I sat down o	n a r	ock.				
	(2)								
	(3)	[1] CO							
	(4)	I sat down and my father	er laughed whe	n I a	m on plight.				
22.	Cho	ose the alliterative word	from the words	give	en below.				
	(1)	tata		(2)	teemy-weeny				
	(3)	aye-aye		(4)	see-saw				
	7 -	ערופוֹכ	1 121		tf.				

23	. Rupa describes her feelings poetically	. She has t	he ability to become a
	Choose a word that best suits the above		
	~(1) artist	(2)	essayist
	(3) poet	(4)	poetess
24	. Neelima said, 'My new job is very inte	resting'.	
(k)	Change the sentence into Reported Sp		
	(1) Neelima said that her new job wa		resting
	(2) Neelima says that her new job wa	_	
	(3) Neelima said that my new job is		
	(4) Neelima told that her new job is		
25 .	The poet has learnt the ways of the wor	rld.	ay od kriji ob ili distribationi i
	Change into 'passive voice'.		
	(1) The ways of the world has learnt	the poet.	
	(2) The ways are learnt by the poet o	f the world	
	(3) The poet has been learnt by the w		
	(4) The ways of the world have been	learnt by the	he poet.
26 .	It's high time he the project	e tar in the	
	Choose the right verb to fill in the blan	k provided	
	(1) submitted	(2)	submits
	(3) will submit	(4)	will have submitted
27.	I have lived in Hyderabad for 10 years.		750 - 12
	The verb in the sentence is in:		and the management of the
	(1) Simple past tense	(2)	Present perfect tense
	(3) Future tense	(4)	Past perfect tense
28.	In addition to his regular studies, Roha	n picked u	p a Diploma course.
	Replace the underlined word with a ph	rase that be	est suits.
	(1) Besides	(2)	in place of
	(3) ahead of	(4)	inspite of
00		ay or two a	Igo.
29.	1 took my noise swimmers	.,	
	Fill the blank with a right article.	(2)	
	(1) one	(2) (4)	a no article
	(3) the	(4)	no article

	V.		
30.	I was not trained enough for the game.		
	The word 'enough' in the sentence acts as:		
	(1) adverb	(2)	adjective
	(3) noun	(4)	conjunction
31.	I understand your problems; however I can'	t help	you.
	The linker 'however' functions as:	-	
	(1) Result	(2)	Indicating addition
	(3) Indicating a similarity	(4)	Contrasts
32.	The time was up but the make up person wo	uld no	ot turn up.
	Identify the function performed by the mod	al.	version and constitution of
	(1) possibility	(2)	future of the past
	(3) compulsion	(4)	suggestion
33.	Napoleon won the French honors. He died a	t St. I	Halena.
	Which Relative clause can be used to comb	ine th	ne sentences?
	(1) who (2) which	(3)	that (4) when
34.	Come home early. I want to discuss an impo	ortant	issue.
	Combine the sentences using 'if-clause'		
	(1) If I want to discuss an important issue	, I sho	ould come home early.
	(2) If I come home, I shall want to discuss	s an ir	mportant issue.
	(3) If you come home early. I shall discus	s an i	mportant issue.
	(4) If you had come home late, I shall not	be ab	ole to discuss an important issue.
35.	They may feel jealous your succe	SS.	cache deg (i)
	Choose the right preposition and fill the bla	nk.	19372703 (1.)
	c religioning options. • • • • • • • • • • • • • • • • • • •	(2)	nabout ig a see a complete take et
	(3) onberoferq (2)	(4)	at sentence of the
36.	Which writing activity among the following	gexpr	resses your emotions?
	(1) an advertisement	(2)	an essay
	(3) a news report	(4)	a diary entry
37.	In which letter among the following, a subjection	ect of	the topic not necessary?
	(1) Letter to the Health Inspector	(2)	Job-letter
	(3) Personal letter	(4)	Formal letter

38.	Sign	nature is a necessary element for:			
	(1)	A formal letter	(2)	Non-formal letter	
	(3)	Diary Entry	(4)	All the above	(' ps
39.	Whe	en two or more persons involve in expre	ession	of thoughts, it is:	
	(1)	a conversation	(2)	a description	
	(3)	a letter	(4)	note-making	3,[]
40.	Hov	v do we end the script for speech?		4	· 5
	(1)	Greetings to everybody	• 144 144	timblictie e galacia.	
	(2)	Hello everybody!		्रक्षां प्राप्तां वर्षे का स्थाप प्राप्त	
	(3)	Thanks for this precious opportunity	. 41 2	r flund i de grecezoù a 2 Prij e	
	(4)	Nice occasion		juronsen	forg. ?
41.	Eve	ry poem you read has one important ele	ment	among the following.	
	(1)	Theme	to the		
	(2)	Punctuation	150 L	ารูหายศึกษา และเลือกการกร้างว่า เล	111 1
	(3)	Structure of grammar			
	(4)	More than two stanzas	1720	nationally site planstune.	
42.	Pick	out the short form of 'will not':	3815° 1	a-grigati-proprintables of 6 cm s • No Alica I see self-mark belond in	
	(1)	will'nt	(2)	won't	
	(3)	wouldn't	(4)	shan't	
43.	Cho	ose the correct spelling of the word.	1312	kani mwa ziwa kaziwe ji t	3 - A
	(1)	governance	(2)	governence	
	(3)	governce	(4)	govarnance	
<u></u>	Writ	e the noun form of 'prefer' from the fo	llowi	ng options.	. 1
	(1)	preferable	(2)	preferred	\sim
	(3)	preference		preferation	
45.	Cho	ose the right word for the following se	ntenc	e in possessive form.	
	'The	shirt belongs to Charan'.		((
	(1)	Charan's shirt	(2)	it's shirt	e grade
	(3)	shirt of Charan	(4)	he's shirt	1 (1)

(46-50) Read the following passage and choose the correct answers to the questions that follow:

Dolphins are regarded as the friendliest creatures in the sea and stories of them helping drowning sailors have been common since Roman times. The more we learn about dolphins, the more we realize that their society is more complex than people previously imagined. They look after other dolphins when they are ill, care for pregnant mothers and protect the weakest in the community, as we do.

Some scientists have suggested that dolphins have a language but it is much more probable that they communicate with each other without needing words. Could any of these mammals be more intelligent than man? Certainly the most common argument in favour of man's superiority over them that we can kill them more easily than they can kill us is the least satisfactory. On the contrary, the more we discover about these remarkable creatures, the less we appear superior when we destroy them.

46.	What	is	common	about	Do	lphins?
						PARALLE .

- (1) They were found since Roman age
- (2) They saved humans
- (3) They killed the sailors
- (4) They are the largest ones on land

47. According to the passage, the community of dolphin	47.	According to	the	passage,	the community	y of	dolphins	is:
--	-----	--------------	-----	----------	---------------	------	----------	-----

(1) complicated

(2) simple

(3) friendly

(4) big

48. How are dolphins similar to men?

- (1) They have two legs like men
- (2) They can speak like man
- (3) They are caring and compassionate to their community
- (4) They are very complex creatures

49. Dolphins communicate with each other

(1) without talking

(2) by babble of words

(3) by making friendship

(4) by intelligent means

50. Man's superiority over Dolphins is:

(1) remarkable

(2) excellent

(3) extraordinary

(4) degrading

PART - II : MATHEMATICS

51	If the I CM of (~)	
51.	if the LCIVI of a	and 18 is 36 and HCF of 'a' and 18 is 2 then $a = $

$$= a \frac{1}{2} (\text{LCM})^3 - 1 - 3 (\text{LCM})^3 - 3 (\text{LCM})^3 - 1 - 3 (\text{$$

(1) 18

(3) 4

52.
$$\log_{\frac{2}{3}} \frac{8}{27} + \log_{\frac{2}{3}} \frac{27}{8} =$$

.52

(1)

(3)

log₂8 اور 16 اور 16 کافسارم .53

(1) 12

(3) 3

54. If
$$2 \log_{y} x = 6$$
, then the relation between x and y is _____

(1) x = y

 $x^3 = y$ (3)

If n(A) = 12, n(B) = 15, then minimum number of elements present in $A \cup B$ is 55.

$$n(B) = 15$$
. اگر $n(A) = 12$ اور $n(B) = 15$ تب $n(B) = 15$ میں موجود کم سے کم ارکان کی تعداد

12 (1)

27 (3)

(4) 15

56. If
$$A \subset B$$
, then $(A \cup B) - (A \cap B) =$

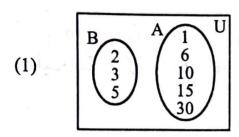
$$= (A \cup B) - (A \cap B) \stackrel{\checkmark}{\smile} A \subset B \quad .56$$

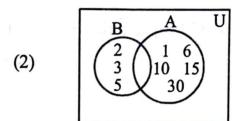
B - A(1)

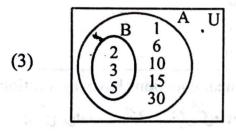
(2) A - B

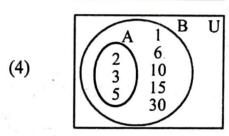
(3)A (4) \mathbf{B} 57. If $A = \{x : x \in N x \text{ is a factor of } 30\}, B = \{x : x \text{ is a prime factor of } 30\} \text{ then Venn diagram of } A \cup B \text{ is}$

 $B = \{x : x \in X \}$ اور $A = \{x : x \in N \}$ اور $A = \{x : x \in X \}$ اور $A \cup B$ (Venn Diagrame) کی وین شکل $A \cup B$



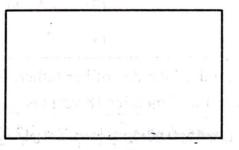






58. Observe the given rectangle, then its area in polynomial function is _____

.5. حسب ذيل منتطيل كامشامده يجيئ اوراس كرقبه كوكثير ركى تفاعل (polynomial function) مين ظاهر يجيئه



7 - 3

x + 2

(1)
$$A(x) = x^2 + 5x + 14$$

(2)
$$A(x) = -x^2 + 5x + 14$$

(3)
$$A(x) = x^2 + 5x - 14$$

(4)
$$A(x) = -x^2 - 5x + 14$$

59. If one zero of a quadratic polynomial $2x^2+kx-15$ is 3, then the other zero is ____

59. کثیررکن 2x²+kx-15 کاایک صفر 3 ہے۔ تب دوسراصفر

(1)
$$\frac{-5}{2}$$

(2)
$$\frac{-15}{2}$$

$$(3)$$
 -5

$$(4)$$
 -1

	Н.
1	

	$f(\alpha-\beta)^2$	=
60	If α and β are zeroes of the polynomial $p(x) = x^2 - 5x + 6$, then the value of $(\alpha - \beta)^2 = x^2 - 6$	
00.	If α and β are zeroes of the polynomial $p(x) = x - 3x + 6$, are	
	If α and β are zeroes of the polynomial $p(x) = x^2 - 5x + 0$, then α	.60
	$n(x) = x^2 - 5x + 6$	

(1)0 1

(3)5 (4)6

If one zero of the quadratic polynomial ax^2+bx+c is 0, then the other zero is 61. اگرایک دودرجی کثیررکنی $ax^2 + bx + c$ کاایک صفر '0' ہے تب دوسراصفر

(1)

(2)

(3)

(4)

For which value of k will the following pair of linear equations have no solution? 62. الله کی کس قدر کے لئے حسب ذیل خطی مساوات کی جوڑی کا حل نہیں ہے۔ .62

3x+y=1

(2k-1)x + (k-1)y = 2k-1

(1) 1

(3) -2

The age of Lakshmi is one third the age of her father. If the present age of her father 63. is 45 years, then the age of Lakshmi after 18 years is _____ years.

کشمی کی عمراس کے باپ کی عمر کا ایک تہائی حصہ ہے۔ باپ کی موجودہ عمر 45 سال ہے۔ 18 سال کے بعد کشمی کی عمر .63 ُ سال کی ہوتی ہے۔

21 (1)

30 (2)

63 (3)

33 (4)

The number of solutions to the pair of equations 11x-7y=6 and 4x+9y=8 is 64.

میاوات 4x + 9y = 8 اور 8 = 4x + 9y = 6 کی جوڑی کے صل کی تعداد .64

1 (1)

(2)

(3) 3

(لانتنائى) Infinite (4)

If the sum of the squares of two consecutive odd numbers is 74, then the smaller 65. number is

> ا کر دومتصل (consecutive) طاق اعداد کے مربعوں کا حاصل جمع 74 ہوتو چھوٹاعد د ہوگا .65

(1)11

(3) 3

(4)

66. If $5x^2 - kx + 11 = 0$ has a root x = 3, then k = 1

= k تx = 3 کاریشہ x = 3 کاریشہ x = 3 کاریشہ x = 3

(1)

(2)

(3)

(4) 15

67. If $\sqrt{x} = \sqrt{2x-1}$, then x =

- .67
- (1) $\frac{-1}{1000}$ and $\frac{-1}{1000}$ index of base rapids 3 cm and height over is inclined an amount of the 1000

- of solid cones of height I am Lad (4) e redice I num I and the value of 2

If a = 2, d = 8, $S_n = 90$, then n = 10068.

d=8 ، a=2 اور $S_n=90$ اور $S_n=90$ اور $S_n=90$.68

(1)

(2) 8

(3)

(4)

The n^{th} term of an A.P. is 6n + 2, then sum of first four terms of that A.P. is 69.

ایک حسابی تصاعد (.A.P) کا 'n'وال رکن 2 + 6n ہے۔اس.A.P کے پہلے چارارکان کا مجموعہ = .69

60 (1)

(2) 68

(3)

If $a_7 \div a_4$ of a G.P. is 64, then the common ratio is _____ 70.

اگرایک جیومٹر بیتصاعد (G.P.) میں a₇ ÷ a₄ کی قدر 64، تب مشتر ک نسبت کی قدر ہوگی

(1)

32

(3)

(4) 2

In the G.P. $\frac{5}{2}$, $\frac{5}{4}$, $\frac{5}{8}$,... $a_n =$ ____ 71.

 $= a_n$ $\frac{5}{2}, \frac{5}{4}, \frac{5}{8}, \dots$ (G.P.) .71

(1)

(2) $\frac{5}{2^{n-1}}$

(3) $\frac{5}{2^n}-1$

72. How many cubic metres of earth must be dug to make a well 14 m. deep and 4 m. in diameter?

(1) $196 \, \text{m}^3$

(2) $216 \, \text{m}^3$

 $156 \, \text{m}^3$ (3)

 176 m^3

14 میٹر گہری اور 4 میٹر قطروالی ایک کنواں کھودنے پر نکلنے والی مٹی کا حجم معلوم سیجئے۔ .72

- (2) معکب میٹر
- (1) 196 مكعب ميٹر
- 176 مكعب ميٹر

و 156 مكعب ميٹر (3)

A solid metallic cylinder of base radius 3 cm and height 5 cm is melted to make 73. 'n' solid cones of height 1 cm and base radius 1 mm. Find the value of 'n'.

3 سمرنصف قطراور 5 سمر بلندی والا ایک ٹھوں دھاتی استوانے کو پکھلا کر 1 سمر بلندی اور 1 ملی میٹر قاعدہ کا نصف قطر .73 والے کھوں مخر وط تیار کئے گئے ہیں۔ تب مخر وطوں کی تعدا کیا ہوگی؟

(1)1350 13500

(3)135 (4)3500

Find the ratio of volume and surface area of a sphere whose radius is 6 cm. 74.

6 سمروالا كره كالحجم اورسطى رقبه كي نسبت _ .74

(1) 2:3

3:2 (2)

(3)2:1 (4)1:2

Length, breadth and height of a cuboid are 5 cm, 4 cm and 4 cm respectively. Then 75. length of its diagonal is _____ cm.

ایک مکعب نما کے طول ،عرض اور بلندی ترتیب وار 5سمر، 4سمر اور 4سمر ہیں۔ تب اس کے وتر کا طول ہوگا .75

(1)13 (2) 57

 $\sqrt{13}$ (3)

 $\sqrt{57}$ (4)

The distance between $(\cos\theta, \sin\theta)$ and $(\sin\theta, -\cos\theta)$ is _____ 76.

> اور $(\sin\theta, -\cos\theta)$ کے درمیان فاصلہ ہوگا۔ .76

(1) $\sqrt{3}$

 $\sqrt{2}$ (2)

(3)

77. The vertices of a triangle are A (2, 2), B (-4, -4), C (5, -8). Then the length of median through C is

ایک مثلث کے راس (A (2, 2) م، (A, −4, −4) ا، (S, −8) کہیں تب C سے گزرنے والا وسطانی خط کا طول .77

(1) $\sqrt{65}$

 $\sqrt{117}$ (3) (2)

 $\sqrt{85}$

 $\sqrt{113}$ (4)

78. The area of a triangle formed by (a, a), (a+1, a+1), (a+2, a) is _____

> (a, a) (a+1, a+1) اور (a + 2, a) سے بننے والا مثلث كارقبہ .78

(1) 1 (2) $\sqrt{2}$ (3) a^3

79. The points (k, 2-2 k), (1-k, 2 k) and (-4-k, 6-2 k) are collinear then k =

(1) $-1 \text{ or } \frac{1}{2}$ (2) $-\frac{1}{2} \text{ or } 1$

(3) -1 or 1 (4) $-1 \text{ or } -\frac{1}{2}$

 $-\frac{1}{2}$ = k اور (-4-k,6-2k) اور (1-k,2k) ، (k,2-2k).79

 $1 \, \stackrel{\mathbf{L}}{=} - \frac{1}{2} \qquad (2)$

 $\frac{1}{2}$ $\frac{1}{2}$ -1

 $1 \stackrel{!}{\smile} -1 \qquad (3)$

In $\triangle PQR$, A, B and C are midpoints of QR, PR and PQ respectively. If the area of 80. $\triangle PQR$ is 14.4 cm², then the area of $\triangle ABC$ is _____ cm².

APQR مين A، B اور C ترتيب وار PR ، QR اور PQ ك وسطى نقاط بين - اگر ΔPQR كارقبه 14.4 مربع سمر .80

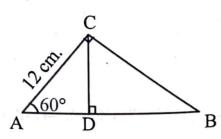
ہوتب شلث ΔABC کارقبہ _____مربع سمر ہوگا۔

(1)7.2 (2)3.6

4.8 (3)

(4)1.6 81. In the figure AB =_____ cm.

81. حسب ذیل شکل میں AB = _____



(1) 6

(2) 18

(3) 24

(4) 30

82. In $\triangle ABC$, XY // BC, AX : XB = 2:1, then $\triangle AXY : \triangle ABC =$ _____

 $\underline{\quad} = \Delta AXY : \Delta ABC \quad AX : XB = 2:1 \quad XY // BC \quad \Delta ABC \quad .82$

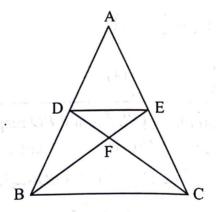
(1) 9:4

(2) 1:9

(3) 2:3

(4) 4:9

83. In the given figure, DE // BC and AD : DB = 5:4, then $\frac{\Delta DEF}{\Delta CFB} =$ $= \frac{\Delta DEF}{\Delta CFB} \Rightarrow \Delta D : DB = 5:4, then \frac{\Delta DEF}{\Delta CFB} =$ 83. In the given figure, DE // BC \Rightarrow AD : DB = 5:4, then \Rightarrow DE // BC \Rightarrow BC \Rightarrow 83.



(1) $\frac{81}{25}$

(2) $\frac{5}{9}$

(3) $\frac{5}{4}$

 $(4) \frac{25}{81}$

- In a wall clock, length of minutes hand is 7 cm. Then find the area covered by it in 84. 10 minutes of time.
 - $\frac{77}{3}$ cm² (1)

 154 cm^2 (2)

(3) $\frac{154}{3}$ cm²

 77 cm^2

ایک دیواری گھڑی کامنٹ کے کانٹے کا طول 7سمر ہے۔ 10 منٹ کے وقت بیرکا نٹا کتنار قبار گھیرے گا؟ .84

- $77 \frac{77}{3}$ (1)
 - (4) 77 مراج سم
- (3)
- A tangent PQ at a point 'P' of a circle of radius 5 cm. meets a line through the centre 85. O at a point Q so that OQ = 12 cm, then PQ = ____ cm.

'O'مركز اور 5سمرنصف قطر والا دائره پر نقطه 'P' سے كھينچا گيامماس PQ ہے۔ 'O' سے 'Q' تك كھينچا گيا خط كاطول 12 سمر = PQ تب OQ = سمر

(1) $\sqrt{79}$

169 (3)

- 13
- PQ is a chord of a circle. The tangent XR drawn at X meets PQ at R when produced. 86. If XR = 12 cm, PQ = x cm, QR = (x-2) cm, then x =____ cm.

'PQ' ایک دائرہ کاوتر ہے۔ دائرہ پرایک نقطہ 'X'پر کھینچا گیامماس XR، اگر 'PQ' کو بوصانے سے R پرجاماتا ہے۔ .86 $\frac{1}{\sqrt{2}} = x \cdot \sqrt{R} = \sqrt{(x-2)} \cdot \sqrt{R} = \sqrt{(x$

6 (1)

(3) 10 14

Question Paper Booklet Code



87. If cosec 39° = p, then the value of
$$\frac{1}{\csc^2 51^\circ} + \sin^2 39^\circ + \tan^2 51^\circ - \frac{1}{\sin^2 51^\circ \cdot \sec^2 39^\circ}$$

$$\frac{1}{\cos^2 51^\circ} + \sin^2 39^\circ + \tan^2 51^\circ - \frac{1}{\sin^2 51^\circ \cdot \sec^2 39^\circ} \stackrel{?}{\sim} \csc 39^\circ = p$$
 گاتدر .87

(1)
$$p^2-1$$

(2)
$$\sqrt{p^2-1}$$

(3)
$$1-p^2$$

$$(4) \qquad \sqrt{1-p^2}$$

88. If
$$\csc\theta + \csc^2\theta = 1$$
 then the value of $(\cot^{12}\theta - 3\cot^{10}\theta + 3\cot^8\theta - \cot^6\theta)$ is _____ \(\cot^{12}\theta - 3\cot^{10}\theta + 3\cot^8\theta - \cot^6\theta \) \(\text{cosec}\theta + \cosec^2\theta = 1 \) \(\text{3.88} \)

$$(1)$$
 -1

$$(4)$$
 -2

89. If
$$\sin 21^\circ = \frac{x}{y}$$
, then $\sec 21^\circ - \sin 69^\circ$ is _____

$$= \sec 21^{\circ} - \sin 69^{\circ} + \sin 21^{\circ} = \frac{x}{y}$$
 .89

$$(1) \qquad \frac{y^2}{x.\sqrt{y^2-x^2}}$$

$$(2) \quad \frac{y^2}{x.\sqrt{x^2-y^2}}$$

$$(3) \qquad \frac{x^2}{y.\sqrt{y^2-x^2}}$$

$$(4) \qquad \frac{x^2}{y \cdot \sqrt{x^2 - y^2}}$$

90. The simplified value of
$$\left(\frac{1}{\sec\theta + \tan\theta}\right)^2$$
 is _____

$$-\frac{2}{\sec\theta + \tan\theta}$$
 .90

(1)
$$\sec\theta + \tan\theta$$

(2)
$$\sin\theta \cdot \cos\theta$$

$$(3) \qquad \frac{1-\cos\theta}{1+\cos\theta}$$

$$(4) \qquad \frac{1-\sin\theta}{1+\sin\theta}$$

91.	If two poles of heights x m. and y m. subtend angles of 30° and 60° respectively at
	the centre of the line joining their feet, then x: y is

x میٹراور y میٹر بلندی والے دو کھمبول (poles) کے قدموں کوملانے والی خط کے وسطی نقطے پرتر تیب وار °30 اور °60 .91

زاویئے بناتے ہوں تو x : y

(1) 3:1

(2)

(3)1:2 (4)2:1

زمین سے 50 میٹری بلندی پراڑنے والی پینگ کا دھا گا °60 کا زاویہ فراز بنار ہاہے تب دھا گے کی کمبائی مسلم میٹر .92

(1)57.73 173.2

(3)42.27 (4)73.2

(1)

- (3) $\frac{7}{18}$ si mean men men those of brb(4) is $\frac{8}{18}$ (1 si seen in 0.1 to again?)

Find the probability that a leap year selected at random will have 53 sundays? 94.

- (1) $\frac{1}{100}$ mean of 30 students is $\frac{7}{365}$ Among them three got seen marks then $\frac{7}{365}$ at students 08 to marks

(3)

If we toss a coin 2019 times, then the probability of getting at least one head is 95.

(1)2019 (2)

(3)

(4)

96.	If the probability	of an event	'E' is 60%.	then what i	is the probability of	f "not event
	E"?		1			

96. أيك واقعه 'E' كاقيام %60 تب 'E نهين واقعه كاقياس كياب؟

$$(1) \qquad \frac{3}{5}$$

(2)
$$\frac{2}{5}$$

$$(3) \frac{4}{5}$$

$$(4) \frac{1}{5}$$

97. پیلے 10 اعداد کاوسعت (Range)

$$(1) \qquad \frac{n(n+1)}{2}$$

$$(2) \qquad \frac{n(n-1)}{2}$$

$$(3) \qquad \frac{n+1}{2}$$

$$(4) \qquad \frac{n-1}{2}$$

100. The mean of 30 students is 42. Among them three got zero marks then mean of remaining students _____

100. 30 طلباء كااوسط 42 ہے۔ ان میں سے تین طلباء كے نشانات صفر ہے۔ باقی طلباء كااوسط

PART - III : PHYSICAL SCIENCES

101.	The	value of latent	heat o	of fusion of ice	e is				
	(1)	80 cal/gm	-	X 18	(2)	80 cal/kgm	i , ,		
	(3)	540 cal/gm			(4)	5480 cal/k		1	1.2
		1:71		14	<u>-</u>	Latent	heat of fusion	برفكا	.101
			رام	' 80 کیلری / کلوگا	(2)		80 کیکری / گرا	(1)	
5.A.	The		کلوگرام	80 کیگری / کلوگا 5480 کیگری /	(4)	رام	540 کیگری / گ	(3)	
102.	Num	ber of Protons	prese	nt in Na ⁺ is _		3 1			
				(14)			بن پروٹانوں کی تعداد	Na ⁺	.102
	(1)	23	(2)	11	(3)	12	(4) 10	12-1	QL.
103.	Whic	ch of the follo	wing i	s Dobereiner's	s Triad	•			
			0.00	idaa (C)	_ ہے۔	يث	ذیل میں بیڈابرینز کا ^{شا}	حب	.103
	(1)	Li, Sr, Ba	(2)	Ca, Na; K	(3)	Ca, Br, I	(4) S, Se	e, Te	
104.	Bono	d Energy meas	ured i	n					9
	(1)	kgm/mol	(2)	kgm mol()		kJ mol	(4) kJ/m	_	
		J. Silman		(4) C	-04	میں ظاہر کرتے	انائی کو	بندكى تو	.104
	general constitution of the second		and the second second second	كلوگرام مول	(2)	arcum (eq	کلوگرام/مول	(1)	.051
				کے جول امول	(4)	rare www.Dail	انائی کو کلوگرام/مول کےجول مول	(3)	
105.	Tesla	a is a unit of	.X '		gane	THE SAME SHE	Usrail Mass	(2	
	(1)	Electric resi			` .	Magnetic			
	(3)	Induced cur	rent		(4)	Potential d		/	
011	ViC .) - h			مس لی اکالی ہے۔	' حسیب ذیل میں ہے	Tesla	.105
		- 6-20	غوز	كثافت مقناطيسي	(2)	- TOBY	برتی مزاحمت	(1)	
		9-2 34 34	À.	تفاوت قوه	(4)	Ming de	امالی برقی رو	(3)	
106.	The	volume of hyd	drogen	liberated wh	nen 92	gms of sod	ium reacts wi	th exc	ess of
271	water	at STP is nic masses of	. 1		charg	ed velocity of	n of field li ar		
	(Ator	nic masses of	Na = 1	23U, U = 16U	J, H =	IU)	(4) 4 9/	1 1:4	
111.									
	کیا ہوگا۔	، ہائیڈروجن گیس کا حجم	ہونے والی	عا <i>ل کرتاہے و</i> آزادہ	پSTP.	زا ندمقدار کے ساتھ	gn 92 وسوؤ ہم پاک کی کمچنہ	جب عو	.106
				آئیں) آئیں)	H = 1U	$\cdot O = 16U \cdot$	مينيں Na = 23U	A 1 1 1	
•	1961	8		48.4 كيٹر		4	4.48 كيثر		
				4.84 كيثر	(4)		44.8 كيثر	(3)	
								£ 3	2.45

107.	A bu	ılb marked a	s 120 W	and 120 V, t	hen the re	esistance	offered by t	he bulb	is	_Ω.
-4	$-(\Omega)$	ى قدراوم	والى مزاحمت كح	، بربر ہونے سے حاصل ہونے	نباس بلب	۱ درج ہے۔:	120 اور 20V	جر پر W	ایک بلب	.107
	(1)	120	(2)	240	(3)	60	(4)			
108.	The (1) (3)	magnificati Real, En Virtual,	enlarged	of a mirror ہوگا۔ حقیقی خیال ، مجھ مجازی خیال ، ج	(2) (4)	Real, o	diminished l, diminish	ed	image ایک (1) (3)	.108
109.		O_4 , $\frac{1}{2}H_2O$	is known			, TI				
	(1) (3)	Washing Plaster of			(2)		ing powder			
				کھانے کا سوڈ ا	(2)	_ کہتے ہیں.	C کو کاسوڈا	$aSO_4 \cdot \frac{1}{2}$	H ₂ O	.109
43			***	کھانے کا سوڈ ا رنگ کٹ سفوف	(4)		ب برر بیرس	ر رک بلاسٹرآ ف	(3)	
	CMC (1) (2) (3) (4)	Current M Concentra	liscelle Consider Con	neansoncentration oncentration elle Concentration oncentration	n tration					
tili				کرنٹ میسلی کا کریٹیکل میسلی	(2) (4)			سنٹرل کانسنٹر	(1) (3)	.110
a	irection	on of field i	3 and ver	c force on c ocity of cha الےمقناطیسی قور	rge 'V' i	IS	(O repre	Conta -1	etweer	
<i>ڄ</i>) ا	اہر کرتا۔	ىر Q برقى باركوظ	۴'هو_(جهال	لے درمیان زاویہ '(رفتار 'V'	مت اور بارکی	بدان 'B' کی ^س	يمقناطيسيم	• حت کا	.111
()	1)	QVB cosθ	(2)	$Q \frac{B}{V} \cos \theta$	(3)	QVB sin	nθ (4)	$Q \frac{V}{B}$	sinθ	

112.	The cr	itical angle of dian	nond is		t No of the	i i for		
7	(1)	Less than 26°	7 Y = -	(2)	More than 28°			
	(3)	Between 36° to 57	10	(4)	102° 24'			
					crit	ical angle 6	ہیرے	.112
			28°سے زیادہ	(2)		26°سے	(1)	
			102° 24′	(4)	کے درمیان	36°اور 57°	(3)	
113.	Corre	ct form of equation	for formation	of Soc	lium Oxide in th	e following		
					درست مساوات ہے جوس			.113
	(1)	$2 \text{ Na}^{2+} + \text{O}^{2-} \rightarrow \text{N}$	la ₂ O	(2)	$2 \text{ Na}^{2+} + \text{O}^{2-}$	\rightarrow 2Na ₂ O ₂		
	(3)	$2 \text{ Na}^+ + \text{O}^{2-} \rightarrow \text{Na}^+$	a ₂ O	(4)	$2 \text{ Na}^+ + \text{O}^{2-} -$	→ 2NaO ₂		
114.	Baux	ite is ore	1	• 15	e _ 751 TO 2 5 1.			
	(1)	A Halide	. 10	(2)	An Oxide			
	(3)	A Sulphide		(4)	A Carbonate			
				- i - n	_ کی کچدھات ہے۔	Bau	ixite	.114
			آ کسائیڈس	(2)		مبلا ئي <i>ڈ</i> س	(1)	
			آ کسائیڈس کاربونیٹس	(4)		سلفائيۇس	(3)	
115.	Ethar	nol is						
	(1) (3)	Farmaldehyde Methyle alcohol	1-60 July 1-15	(2) (4)	Ethyle Alcoho Acetaldehyde	ol *		
	- 5 }	rasba 👢 😜	of the land		ــــــــــــــــــــــــــــــــــــــ	Eth کا کیمیائی نام	anal	.115
	151		اليتهائل الكول	(2)		فارل ڈیبائیڈ	(1)	
		12 0 1 1 1	ايسيل ديبائيز	(4)		ميتهائل الكوحل	(3)	
116.		$g(OH)_2 + YH_2SO_2$			214.	n mal s	· = :\	+ ,
	Then	X, Y are respective	der verrett					
		x 14	X Mg (OF	$I)_2 + Y$	$H_2SO_4 \rightarrow MgSO_4$	$O_4 + 2H_2O$	مساوان	.116
	5.6		m - 1 3 3		ي ' ي	ر اور Y کی قدر	يسX	
ν(,	(1)			(2)	1, 1			
\bigcirc	(3)	1, 2 3, 1		(4)	2, 2			
				,				

The American State of the State	Booklet Code
117. A silicon chip is used in an integrated circuit mg (mass of chip) then the number of atoms of	i sincon are p
(Silian China	117. ایک مائیکر وکمپیوٹر کے انگریٹیٹرسر کیوٹ (C C میں
جودسلیکان جو ہروں کی تعداد کیا ہوگی۔ جودسلیکان جو ہروں کی تعداد کیا ہوگی۔	(mass of chip) ہے۔ تب اس chip میں موج
(1) 6.022×10^{23} (2) 6.022×10^{22} (3)	ر فرض کیجے کہ سلیکان کا اٹا مک ماس 28 گرام ہے 6.022×10^{19} (4) 6.022×10^{24}
CH ₃ C ₂ H ₅	
118. CH ₃ -C-CH ₂ -CH-CH ₂ OH is	
 (1) 2, 2, dimethyle, 4 Ethyle pentan - al (2) 2, 2, dimethyle, 4 Ethyle pentan - ol 	
(3) 2 Ethyle, 4, 4 dimethyle pent - 1 - al(4) 2 Ethyle, 4, 4 dimethyle pent - 1 - ol	
	$ \begin{array}{c c} CH_3 & C_2H_5 \\ & \\ & \\ & CH_3 - C - CH_2 - CH - CH_2OH \\ & \\ & CH_3 \end{array} $ $ \begin{array}{c c} CH_3 & C_2H_5 \\ & \\ &$
	(1) 2, 2 ڈائی میتھا ئیل، 4 ایتھا کل پنٹالا (2) 2, 2 ڈائی میتھائل، 4 ایتھا ئیل پنٹالا
ـ 1 ـ ال	(3) 12 يتھائل، 4,4 ڈائي ميتھائل پيٺ
. 1- اوول	(4) 2ا يتهائل، 4, 4 دُانَ ميتهائل پنٺ -
19. $E = \frac{\Delta \phi}{\Delta t}$ is known as law of induction.	
(1) Lenz's (2) (3) Faraday's (4)	Ampere's Oerstead's
کا کلیہ کہتے ہیں۔	کابر تی مقناطیسی امالہ، $E = \frac{\Delta \phi}{\Delta t}$.119
($)$ Ampere's (2)	Lenz's (1)
اورسٹیڈ (4) Phy.Sciences 24-E	(3) فيراذك

	to bi	co meters =		17	1	State It was		
	(1)	10 ⁻¹⁸ m		(2)	10 ⁻¹¹ m			
	(3)	10 ⁻¹³ m	0.31	(4)	10^{-12} cm		13.7	
	1					يمثر =	10 پکوو	.120
			10-11 میٹر	(2)		10-18 ميٹر	(1)	
	1		10 ⁻¹² سنٹی میٹر	(4)		10-13 ميٹر	(3)	
121.		bject of 5 cm tall a virtual image of	is placed before 10 cm tall. The	a spher	rical mirror a	at 20 cm distant the mirror is	ice. So	as to
	(1)	-40 cm		(2)	35 cm			
	(3)	-20 cm		(4)		9 7		
زی	والا أيك مجا	کھا گیاہے کہ 10سمرلسائی	رکے فاصلے پراس طرح ر	ے 20سم	ہے ایک کروی آئینے	يخ جس كى لىبائى 5 سىر ـ	ايك ش	.121
		• ~ ~	Je outer 3.	B21	سكى طول	بئے۔تباس آ کینے کاما	خيال	
		المراجع المساعدة المس	35 سنٹی میٹر	(2)		40–سنٹی میٹر	(1)	
			80- سنٹی میٹر	(4)		20- سنٹی میٹر	(3)	
100								
122.	optic	absolute refractival density of A, B اورCکے گئے بھر ا	, C in descendin 1.3 <i>اور</i> 1.44 ہے۔ تب	g order 4 •1.31	is اف نما ترتیب دار	Bاور C کے لئے انعو	اگرA،	.122
122.	optic پی کثافت	al density of A, B B ، A اور C کے گئے بھر	, C in descendin 1.3 <i>اور</i> 1.44 ہے۔ تب	g order 4 ·1.31	is طاف نماتر تیب وار لیر تیب میں	Bاور Cکے لئے انعو Optical der) نزو	اگرA،	
122.	optic	al density of A, B	, C in descendin 1.3 <i>اور</i> 1.44 ہے۔تب	g order 4 ·1.31 a(2)	is اف نما ترتیب دار	Bاور Cکے لئے انعو Optical der) نزو	اگرA،	
122.	optic کی کثافت (1) (3)	al density of A, B اور C کے گئے بھر ا C > A > B	, C in descendin 1.3اور1.44ہے۔تب وگی۔	g order 4 ·1.31 a(2)	is طاف نما ترتیب وار لی ترتیب میں C > B > A	Bاور Cکے لئے انعو Optical der) نزو	اگرA،	
T	optic کی کثافت (1) (3)	al density of A, B اور $C > A > B$ C > A > B A > B > C	, C in descendin 1.3اور1.44ہے۔تب وگی۔	g order 4 ·1.31 7 (2) (4)	is طاف نما ترتیب وار لی ترتیب میں C > B > A A > C > B	Bاور Cکے لئے انعو Optical der) نزو	اگرA، nsity)	
T	optic کی گافت (1) (3) Aton	al density of A, B $C > A > B$ $A > B > C$ This number of means	C in descendin, 1.3اور1.44ہے۔تب وگ ۔ مطابع	g order 4 ·1.31 7 (2) (4)	is طاف نما ترتیب وار لی ترتیب میں C > B > A A > C > B	Bاور کے لئے انعو Optical der) نزو	اگرA، nsity)	.122
T	optic کی گافت (1) (3) Atom (1) (3)	al density of A, B اور $C > A > B$ C > A > B A > B > C	1.44 من الم , C in descendin 1.3 اور 1.44 ہے۔ تب وگ ۔ ndelevium is	g order 4 ·1.31 7 (2) (4) ——————————————————————————————————	is المان نمار تيب وار كار تيب ميں C > B > A A > C > B ماعرد عامرد 24 116	Bاور کے لئے انعو Optical der) نزو	اگرA، nsity)	.122

125	. Which of the f	ollowing has longer way	velenati	than usable	wavelength		
	(1) UV rays	S and longer way	(2)	X rays	(1)		
	(3) γ rays		(4)	Radio rays			
		ہے۔مرئی طیف کے طولی موج سے۔			مل میں کس پر قی مقا	حسب	.125
	112 111	-		ه ن حيف و حول م مد	یا میں میں ہوں ہوں بالائے بنفشی شعا ^ء	(1)	
	. 17 4 35 8	X_شعاعيں	(2)		بالات مي شعا		•
d ob	Control of the contro	Radioشعاعيس	(4)		γ_شعاعيں	(3)	
126.	. A, B, C, D are	having temperature as for	ollows	modify at the con-		rim i	
		and comments	را ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا	پیش کچھا <i>س طرح۔</i>	، کاور D کے لئے	B A	.126
	Α	BCD		- 0	13 14		
	24°C 28	30 K -4°C 289 K		Williams	Sin Yal		
	has mo	re temperature than all t	***************************************	r 3.			
	11 04 73			کی پش باقی متنوں۔	اسے	اس میر	
	(1) A		(2)				
	(3) C	(40)	(4)	D			manual burge.
127.	The velocity of	light in vacuum is	1. (0)	fractive index	oronieri, s	7.3.11	ree t
127.	$(1) 3 \times 10^8 \text{ kg}$		(2)	3×10 ⁸ m/s	in arrivati		
	(3) 3×10^8 cm		(2) (4)	3×10^8 km/s	the James of the		•
	Optical dinsity)	M. Orange	J-		به بشخار کی و آند	خا، مار	107
		A 4.8 (2)		ہے۔ ارا گھنٹہ		1-510	.127
		3×10 ⁸ میٹرا شکنڈ	(2)				•
		3×10 ⁸ كلوميثر/سكندُ	(4)	بٹرا سکنڈ	3×10 ⁸ سنتي م	(3)	
28.	An example for	Auto reduction					
		. 75 (1)	بال	Auto ro کی ایک	eduction -	الدرطس	120
		95000		or or ratio re			.128
	(1) $TiCl_4 + 2$	$Mg \xrightarrow{850^{\circ}C} Ti + MgCl_2$		assissing to			
	(2) $TiCl + 4$	$Na \xrightarrow{850^{\circ}C} Ti + 4 NaCl$	· ol	usorb Hi	Tart and	e i 1	
	$(2) \text{TiCl}_4 + 4$	ani.S. amibr P. — (44) .		orbiti trass			
	(3) $2Cu_2O + C$	$Cu_2S \longrightarrow 6Cu + SO_2$					
	m which o			وأثيا ديج			
	(4) PbO+C—	$^{1400^{\circ}C}$ Pb + CO	41314	i Lard			•
	THE WALL STATE	4 4 1 1 1	1 1 10	W. 14. 14.			

129.	B and	d angle of HN	in NI	I ₃ is	A. C.			, - 1	, ,	3
	(1) (3)				- ك پائے جائے (2) (4)		الم ميں Jh '	∠(NH ₃	امونیا (.129
130.	Which (Arra	th of the followingement of E	wing callectron	s in each c	erted into	Anion follows)				
		*	4.	•	•		ھے کوئی الکٹر انی تظ ہرخول میں موجو			.130
	(1)	2, 8, 1	(2)				(4)			
131.	Coor	dination numb	per of (Cl in NaC	l is					
	(1)	2	(2)	3	(3)		(4)			
			(c	oordinatio	n number)	ل کاربطی عدد (للم میں Cl ⁻ روا	لورائيڈ کے	سوڈ یم کا	.131
				: 0(صفر)		Con (N		2	()	
132.	Foca	l length of hu	man ey						hy Hu	man)
	(1)	2.84 cm to 3					100		•	
	(3)	0.02 cm to ((4)					
		کی وسعت	(Accor	nmodation	of Lens)	تكى طول كى تطبيرة) بصری عدسه کا ما	ندانسان کی	صحت	.132
								ہوتی ہے۔	درمیان	
			2.	2.2 سر تا 5	7 (2)		سمر تا 3.04 س	2.84	(1)	
		en fet		: سمر تا 5سمر	2 (4)		ىمر تا 0.2سمر		(3)	
133.	The o	colour of litm	ıs in n	eutral solut	tion is	9	, de			
	(1)	Red			(2)	Blue				
	(3)	Yellow			(4)	Purple				
						-	ں مظہر کا رنگ _	ول مير لتم	تعديلى محا	.133
				J.	: (2)			ىرخ	(1)	
				ودا (Purple)	(4)		i ba Ti	נ ננ	(3)	

134	. Whi	le preparin	g Ethano	from Eth	ane the or	atalyst is				11.5	. 2
	(1)	P_2O_5	(2)	Ni	(3)	Sun	rays	(4)	H_2)	
		P ₂ O ₅	ل کی موجودگی	161517	(5)	Coul	-17. 1013	ر) سراییج	- Fthene	ایتھین(.134
		ц	0 (1)	الله		(Ethano	31)066) — () () ()	D.O	(1)	
			0 (4)				Ni	(2)	P_2O_5	(1)	
135	. Whi	ch of the f	ollowing	statement	is true						
	(1)	Concavo	e mirror a	lways form	ns real im	age					
	(2)	Concave	e mirror a	lways form	ns virtual	image	1				
	(3) (4)	Convey	mirror al	ways from	s real ima	ge					
	(4)	Convex	mirror alv	ways from	is virtual i	mage			• (. و با مد	125
								صادق_	بالونسابيان	و یں میر	.135
					ہوتا ہے۔	المعاصل: اخیال حاصل: کی خیال حاصل	شهبى حقيقى	سے ہمیا	مقعرعد	(1)	
					ب ہوتا ہے۔	ى خيال حاصل	شه ہی مجاز	ر سے ہمیا	مقعرعد	(2)	
	•				ں ہوتا ہے۔					(3)	
				1 1 Lan (25)	ت مل ہوتا ہے۔	민준비 변환물 건물 선			- Control of the Control	(4)	
136.	Doot	on odvisod	to 4F	\ 1		7 7				()	
130.		or advised									
	(1)	25 m			(3)						5 1
					باس كاماسكى ط						.136
		0.0 ميٹر	4 (4)	4 ميٹر	0 (3)	کی میٹر	25	(2)	£ 25	(1)	
137.	The i	ntensity of	scattered				(I)SAN			4.6	
		710		-(ب ^{اعظ} م ترین ہوگ	زاویه ی		رت	انتشاركيء	نورکے	.137
	(1)	0°	(2)	45°	(3)	60°	71	(4)	90°		
138.	In gro	oups the va	alue of	increa	ases						
	(1)	Atomic r			(2)		on aff	-			
	(3)	Ionisation	n Energy		(4)	Electr	on neg	gativit	y		
				nuki - i	رر برطقی ہے۔	کی ق		رويس مير	ہدول کے آ	دوري	.138
				بٹرانی رغبت	(2) P		. ,	نصف قط	جوبري	(1)	
				قى منفيت	ر بربڑھتی ہے۔ (2) الک (4) بر			انائي	روانی تو	(3)	
		2 - 6 - 2	2 0 6 4 1						-	(3)	
39.		$s^2 2p^6 3s^2$									
		نی تشکیل ہے۔	کیالگٹرا	ے			2p°	$3s^2$	p ⁶ 4s ¹	$3d^{10}$.139
	(1)	Cr	(2)	Cu	(3)	Mn		(4)	Zn		

				20	- E				
	(1)	1 °C	(2)	2 °C	(3)	3 °C	(4) 4	°C	
۲	ت تك كرو	ٹر پانی کواشنے ہی وفا	-الرہم4لیہ	ل4°C كااضافه بو.	ل بی چس به ما فه هوگا۔	رم کرنے پراس پا پیش کااہ	کھووقت کے گئے بٹر یانی میں	الیٹرپانی کو. کرنے پر4!	.144
	is			:1011/100	أ كا تعشر مد				
144.	If 1 li	itre water is is heated fo	heated for same	for certain tim time in the sa	ne to ris	e it's tempera	ature by 4° he rise in t	C: If 4 lit the temper	res of rature
	(1)	0.024 A	(2)	0.0024 A	- W	24 A	(4) 2		
	رے دان					_ہوگی۔	=	برتی رو (i).	
	differ	ence. Then t: ہے۔تہم نے گز	he curre 2 کافرق۔	ent passes thro چاورتفاوت قوہ 40V	ough the	e body (i) = احت 000 ohm	پانسانی جسم کی مز	فرض کیجئے ک	.143
143.	Let t	he resistance	of a h	numan body i	s 1,00,	000 ohms an		•	ential
. Call				120 سنى ميٹر 180 سنى ميٹر			24 سني مينر	0 (3)	
				120- سنٹی میٹر	(2)	10 00 5 Mg	8-سنٹی میٹر سند سند	30 (1)	
) 12000	1 / 0				ت ننما1,5لياجا.		
(ر 120 cm طحوں کے نصف قطر 0					.142
				$R_1 = 60 \text{ cm},$ -120 cm			(4) 1	80 cm	
142.	lengt	th is		with 1.5 as 1			cept in air	then it's	focal
			su'i a	بنجر					
				انجماد	(2)	_ کی دجہ سے ہانپتے	ئف	(1)	
					ين-	_ کی وجہ سے ہانیتے	ئغ	موسم گرمامیں	.141
	(1) (3)	Condensate Boiling	ion		(2) (4)	Freezing Evaporation	on		
141.	- 0	s pant during	hot sur	nmer is due to	0				
			(4)	مدان الهین سوبود نیلے <i>سبز ر</i> نگ	عدماريا <u>ء</u> (3)	، نه جنب درا یورپو زعفرانی	(2) 2	(1)	
_,	ر د	Didish gre	en	ه_اسآله ميس موجود	(4)	Yellow	کوہل کی ش _{نا} ختی	شراب نوشی (ااَ	.140
	(1)	Red Bluish gre		•	(2)	orange			
	, , ,	n .							

145		nagiciai active i	ndex of	g a show f the liq	v make	es a gla	iss lens	n = 1.4	17 disa	ppears	in a liq	uid the	en the
	رديا_	ں غائب کر	ایک محلول م ^ی	n = 1	ا 47. اےنما 47.	كاانعطاف	ے ئے عدسہ جمر	ے بے ہو۔	شیشه ب	جادوگرا یک	۔ کے دوران	ايکشو	.145
1 - 1								ہوگا۔		طاف نما	محلول كاانع	تبار	
	(1)	2.94	1	(2)	1.47		(3)	4.41		(4)	14.7		
146	. Ref	ractive	index o	of water	is 1.0	003 is		ed in					7 . 1
	(1)	cm		(2)	m	11	(3)	km		(4)	no u	nits	
				اتی ہے۔	کی		ر ساکش		1 000	با کی قدر 3			.146
3 mm ² 3		ئىنېيں	کوئی ا کا	اتی ہے۔ (4)		كلوميثر	(3)	ې د ن	میٹر	(2)	سمر	(1)	
147	. Len	1	rs form			()	1741						
	(.)	15 0	2			(+)		خ ابط بر	راز و را	دا ت عدسه [.]	ر نوی میداه	و مل میر	.147
	d. Ti -	ted, th	ri Iqe	N 21 1.5	بد اسط	in our	Mass F.	I die	anol		o uda		7.5
	(1)	$\frac{1}{f} = \frac{1}{f}$	$\frac{1}{V} + \frac{1}{u}$.				(2)	$\frac{1}{\mathbf{f}} = \frac{1}{\mathbf{V}}$	$\frac{1}{\sqrt{-\frac{1}{1}}}$		215		
		. 1	. (1 1	(i. 13		The second second			Bittmit	100	1985 +	
(to	(3)	$\frac{\mathbf{f}}{\mathbf{f}} =$	(n-1)	$\frac{1}{R_1} - \frac{1}{R_2}$	JES SaldES	(8) Lakiri	(4)	$\frac{1}{f} = ($	$R_1 - R$	$(1-\frac{1}{n})$	18-	9 %	
148.	The	prism	with cr	own an	gle A	(60°)	produc	es an a	angle	of mini	mum (deviati	on of
	30°.			ctive in									
	8)	140	ما کیا ہوگا۔ م	كاانعطافنم		11.1	£101	6 Tager			•	ايك منث	.148
laibn	(1)	$2\sqrt{2}$	nn si b	(2)	$\sqrt{2}$.01.1	(3)	$\sqrt{2}$	d o lo	(4)	2		
149.	In the	e Rainl	ow the	inner i								TULL D	
. 141.	(1)	Red		(2)	Blue	1,00,1	(3)	Viole	et 🦠 🕻	(4)	Gree	en	
				100-	تاہے۔	رنگ بيهو	ئى اندرونى	ب سے انتہا	روط کاسب	مننے والے مخ	ر حمیں ۔	قى س وقر	1/10
			ببر	(4)	2-1	بنفشى	(3)	00.0	نيلا	(2)	ری ت	(1)	.179
150.	111 4 11	10-	ad aruli	(2)	7 7	17 11	1711 111	111/2 141	11978	Mi i i	41177		
1-1-1	(1)	1		(2)	2		(3)	3 = .	1.70	(4)	- <i>-</i> -0	4s ارت	.150
	· · · · · · · · · · · · · · · · · · ·			**	2.	~ ~ ~							- 1