#### **PREVIOUS YEAR QUESTIONS - 2017**

#### NDA

#### **ENGLISH PART – A**

#### **SELECTION WORDS**

	<u>NDA</u>						
	ENGL	ISH PART – A					
SELI	ECTION WORDS						
Direct	ions for the following 10 items:						
	Each of the following items in this section h	has a sentence with a blank space and four words or groups of					
words	given after the sentence. Select whichever w	ord or group of words you consider most appropriate for the					
blank	space and indicate your response on the Answ	wer Sheet accordingly.					
1.	I you to be at the party this evening.	C					
	A) Look forward to	B) Hope					
	C) Expect	D) Think					
2.	When I met John yesterday, it was the first	time I him since christmas.					
	A) Saw	B) Have seen					
	C) Had seen	D) Have been seeing					
3.	He to listen to my arguments and w						
	A) Denied	B) Disliked					
	C) Prevented	D) Refused					
4							
4.		atient died.					
	A) Intense	B) Adequate					
	C) Profuse	D) Extensive					
5.	You have never me about your	r experiences in America.					
5.	A) Said	B) Told					
	C) Explained	D) Spoken					
	C) Explained	D) Spoken					
6.	I always felt hungry I heard the di	nner bell.					
	A) As much as	B) As well as					
	C) As soon as	D) As close as					
7.	Although they took every precaution, they o	could not the accident.					
7	A) Defer	B) Allow					
7	C) Avoid	D) Block					

8.	The ambitious nobleman to	marry the king's daughter.
	A) Transpired	B) Perspired
	C) Aspired	D) Expired
	, <b>1</b>	.1
9.	The dictator of that country was a m	onster of wickedness, insatiable in his for blood and
	plunder.	
	A) Idea	B) Vision
	C) Lust	D) Intention
10	Please don't give me any more, I hav	
	A) Few	B) Too little
	C) Little	D) Enough
Direct	ions for the fallowing five items	ANTONYMS
Direct	ions for the following five items:	a contance with a word underlined and is followed by four words
		a sentence with a word underlined and is followed by four words.
		e in meaning to the underlined word and indicate your response in
11	The Answer sheet accordingly.	
11	. My first lecture in the classroom, wa	
	A) Success	B) Joy
	C) Fun	D) Diaster
10	It was indeed and your to among street	
12	. It was indeed <u>arduous</u> to cross street A) Pleasant	B) Effortless
	C) Interesting	D) Risky
13	. Unlike his brother, he is affable.	
15	A) Reserved	B) Gullible
	C) Irritable	D) Lovable
14	. The birth of his child decidedly prov	ed to be an <u>auspicious</u> event in his life.
	A) Precious	B) Ominous
	C) Useless	D) Unforgettable
		,
15	The witness Corroborated word for	word the statement of the victim.
	A) Accepted	B) Confirmed
~	C) Denied	D) Repeated
Y		· •
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#### SYNONYMS

#### Directions for the following five items:

In this section, each item consists of a sentence with a word underlined and is followed by four words or groups of words. Select the word or group of words that is most similar in meaning to the underlined word and indicate your response in the Answer sheet accordingly.

16. It is unwise to sever diplomatic relations with a neighbouring country over small matters,

A) EngageC) Cut off

B) EstrangeD) Twist

17. Bad tendencies are to be Countered by good ones until all that is evil disappears.

- A) Opposed I
- C) Reduced

B) BalancedD) Bypassed

18. The police fired Indiscriminately at the crowd, killing many inpocent women and children.

A) Continuously

B) Without distinguishingD) Rapidly

- C) Foolishly
- 19. Businessmen who lack acumen cannot be expected to be very successful.
  - A) FairnessC) Boldness

B) SharpnessD) Rightcousness

- 20. His <u>candid</u> Opinions have won him many friends.
  - A) Kind
  - C) Generous

C) But due to

B) Courteous

D) Frank

#### SENTENCE IMPROVEMENT

Directions for the following 10 items:

In this section, look at the underlined part of each sentence. Below each sentence are given three Possible substitutions for the underlined part. If one of them (a),(b) or (c) is better than the underlined Part, indicate your response on the Answer sheet against the corresponding letter (a),(b) or (c). If none of The substitutions improves the sentence, indicate (d) as your response on the Answer sheet. Thus a 'No Improvement' response will be signified byt the letter (d).

B) But because

21. I disliked him not so much for his meanness but for his dishonesty.

- A) As for
  - D) No improvement

22. He preferred death rather than impris	sonment.
A) For	B) To
C) Than	D) No improvement
23. They kept the idea Secretly.	4
A) Secretive	B) Secret
C) Secretively	D) No improvement
24. He ought not to tell me your secret, b	but he did.
A) Telling	B) Have told
C) Having told	D) No improvement
25. If I don't know the meaning of a wor	d, I Look it after in the dictionary.
A) Look it out	B) Look it for
C) Look it up	D) No improvement
26 Marcal Marc Decision that a factor	
26. Mr. and Mrs. Rao stay <u>in their home</u>	
A) At home	B) Inside home
C) Within their home	D) No improvement
27. When we saw him last, he ran to cate	sh a bus.
A) Has run	B) Had run
C) Was running	D) No improvement.
28. She <u>cut a sad figure</u> in her first perfor	rmance on the stage
A) Made a sorry figure	B) Cut a sorry face
C) Cut a sorry figure	D) No improvement
c) cut a sorry rigure	
29. Last evening I went to the optician an	nd bought spectacles.
A) A Spectacle	B) Two Spectacles
C) A pair of Spectacles	D) No improvement
30. I would like to avail a fifteen days' h	oliday this summer.
A) To avail of	B) To avail myself of
C) To avail myself	D) No improvement
N	
2	
Y	

#### SPOTTING ERRORS

Directions for the following five items:

a

Each item in this section has a sentence with three underlined parts labelled (a),(b) and (c). Read each Sentence to find out whether there is any error in any underlined part and indicate your response in the Answer sheet against the corresponding letter i.e.,(a) or (b) or (c). If you find no error, your response Should be indicated as (d).

- $\begin{array}{cccc} 31. \, \underline{I \ can \ fly} & \underline{If \ I \ will \ be} & \underline{a \ bird} & \underline{No \ error.} \\ a & b & c & d \end{array}$
- 32. As soon as the train arrived the passengers entered the compartments. No error
- 33. <u>Never I have</u> <u>Seen such a town</u>. <u>No error</u>. a b c d

b

34. <u>He goes to his office</u> <u>by bicycle</u> <u>everyday</u> <u>No error</u> a b c d

35. <u>Far from being appreciated</u>, <u>his conduct was discussed</u> <u>and sharply commented</u> <u>No error</u>. a b c d

#### **COMPREHENSION**

с

#### Directions for the followiung six items:

In this section, you have two short passages. Read the passages and answer the items that follow. You are required to select your answers based on the contents of the passage and opinion of the author only.

3

Passage – 1

We had just passed Tenali, where I roused myself in order to hear the name of the station. As I was Falling asleep again, a violent jolt shot me into the arms of somebody in the seat opposite. The engine With one wheel broken was lying across the tracki and beside it was the luggage van, like wise, derailed. Groaning, Wheezing, gasping, sputtering in its death agony, the engine was like a fallen horse which, Snorting, trembling in every limb, its flanks heaving, its chest labouring, seems incapable of makin g the Smallest effort to struggle on ot its legs again.

#### 36. The author had roused himself as he wanted to

A) Get offB) Meet someoneC) Know the name of the stationD) Keep hims

37. The engine stopped because.

- A) The driver had stopped it
- C) There was a halting place
- B) One of the wheels was broken
- D) There was no fuel

- 38. The engine is compared to a fallen horse because.
  - A) It was groaning like a horse
  - C) It could make no effort to stand upright D) It had a broken wheel

B) It was lying across the trackD) It had a broken wheel

#### Passage – 2

I was beginning to tire a little now. I had been cutting steps continuously for two hours, and Tenzing, too, was moving very slowly. As I chipped steps around still another corner, I wondered rather dully just how long we could keep it up. Our original zest had now quite gone and it was turning more into a grim struggle. I then realised that the ridge ahead, instead of still Rongbuk glacier. Dooked upwards to see a narrow ridge running up to a snowy summit. A few more whacks of the ice-axe in the firm snow and we stood on top.

- 39. Which of the following is the most appropriate description of the area in which the narrator had been moving?
  - A) A steep rocky slope
  - C) A high peak covered with snow

B) A peak with a flight of steps

- 40. 'I had been cutting steps continuously for two hours' suggests that.
  - A) The climber was unskilled in the art of making steps
  - B) He had to cut the steps out of snow before climbing up which was necessarily a slow process
  - C) The slowness was caused by the fact that as soon as he cut the steps they were again covered with snow.

D) A long ridge

- D) He had to work suspended from a ledge.
- 41. 'It was turning more into a grim struggle' would mean.
  - A) That after the long exertion he was feeling so weak that any further climbing meant a hard struggle with the forces of nature.
  - B) That Tenzing was making the task more difficult.
  - C) That strong cold wind was pushing him down from above and that he had to struggle with the forces of nature.
  - D) That he was in a mood to give up ultimately.

#### **ORDERING OF WORDS IN A SENTENCE**

#### **Directions for the following nine items:**

Each of the following items in this section consists of a sentence the parts of which have been jumbled. These parts have been labelled P,Q,R and S.Given below each sentence are four sequences namely (a),(b),(C) and (d). You are required to re-arrange the jumbled parts of the sentence and mark your

response accordingly.

Ρ

42. Farm workers spend outdoors most of their time

R

0

S

The proper sequence should be	
A) P Q R S	B) P R Q S
C) P Q S R	D) R P Q S
C)1 Q 5 K	DINIQS
43. He Shuffled the papers in a drawer	together
$\frac{1}{P}$ Q R	s
The proper sequence should be	
A) PQSR	B) P Q R S
C) P S Q R	D) R S P Q
44. Do you think will this soap Shrink	wollen clothes
P Q R	S
The proper squence should be	
A) PQRS	B) P R Q S
C) Q R P S	D) Q P R S
45. We advised the hijackers to surrend	ler to the police them selves
P Q	RS
The proper sequence should be	
A) PQRS	B) P R Q S
C) P Q S R	D) R P Q S
, (	
46. Sports cars appeal to some motoris	ts only with noisy exhausts
$\frac{1}{P}$ $\frac{1}{Q}$ $R$	S
The proper sequence should be	Y
A) R Q S P	B) P S Q R
C) R S P Q	D) P Q S R
47. He almost planned the entire strates	gy of operation single-handed
	R S
The proper sequence should be	
A) R S P Q	B) P R Q S
C) S Q R P	D) Q P S R
48. She has more intelligence than we	suspected her to possess
P Q R	S
The proper sequence should be	
A) P Q S R	B) P R Q S
C) P S Q R	D) P Q R S
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P Q	R	S
The proper sequence should	be	
A) PQRS		B) P Q S R
C) R P Q S		D) P R Q S
50. When I was a student I lear	nt swimming	at the age of 15 of class X in a government school
Р	(	Q R S
The proper sequence should	be	
A) PQRS		B) P R Q S
C) Q P R S		D) Q S P R
		$C \gamma$
		<u>PART - B</u>
_	devices chan	ges low voltage alternating current to high voltage alternation
current and vice versa?		Ch Y
A) Generator		B) Motor
C) Transformer		D) Vibrator
	curs mainly	in deserts during hot summer is based on the principle of
A) Reflection		B) Interference
C) Dispersion		D) Total internal reflection
53. At which place Earth's mag	netic field be	
A) Magnetic meridian		B) Magnetic equator
C) Geographical pole		D) Tropic of cancer.
54 The end of a continue line	1	
		t road is listed below at successive intervals of I s:
Time (s) $0$ 1	2 3	
Speed(m/s) $0$ 2	4 6	8
Which of the following is/an	e correct?	
The car travels	$\therefore$ co $\sqrt{2}$	
1. With a uniform accelera	tion of 2m/s	
2. 16 m in 4 s.	64 /	
3. With an average speed of	of 4m/s.	
Select the compation we	ing the code	aivan halawu
Select the correct answer us A) 1,2 and 3	ing the code	-
C) 1 and 2 only		B) 2 and 3 only D) 1 only
C) I and $Z$ only		D) 1 only

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C)	FSSAI		D) FAO	
,	FDA		B) WHO	
		owing agencies er	forces the laws on food security in India?	
<b>C</b> )	Angomonae		D) Naegleria	
A)	Histomonas		B) Trypansoma	
63. Sle	eping sickness is a	a parasitic disease	of humans and other animals It is caused by.	
2)			_ / _ / _ / _ / _ / _ / _ / _ / / / / /	
,	Cholesterol		D) Glycogen	
	Cellulose		B) Chitin	
62 Ce	ll wall of any fung	s is different from	n plants in having	
C)	Non- Crystalline a	mophous solid	D) Crystalline solid	
	Liquid		B) Colloid	
	ass is a			
,	Nucleus		D) Helium	
,	Electron		B) Proton	
60. Ru	therford's alpha-pa	rticle scattering e	xperiment was responsible for the discovery of	
C)	Potassium		D) Cesium	
	Lithium	č	B) Sodium	
59. WI	hich one of the foll	owing elements is	least reactive with water?	
2)				
,	Sulphuric acid		D) Hydrochloric acid	
	Acetic acid	ie ieuves causes D	B) Methanoic acid	
58 Sti	ing hy hairs of nett	le leaves causes h	urning pain. This is due to the injection of	
C)	Chlorides		D) Sulphates	
	Hydrogencarbona Chloridos	tes	B) Carbonates	
			which one of the following of calcium and Magnesium?	
<i>ca</i> <b>m</b>		, • • · ·		
C)	2 only		D) 3 only	
,	1,2 and 3		B) 2 and 3 only	
Se	lect the correct ansy	wer using the code	e given below:	e.
	Diamond	2. Graphite	3. Fullerenes	
56. Mo	olecules of which o	f the following ha	s cage like structure?	
				1
	300m/s		D) about 10 m/s	
	Supersonic		B) Subsonic	

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	er, rashes and reduces the number of a particular type of blood cells. Those
blood cells are	
A) Monocytes	B) Platelets
C) Eosinophils	D) Neutophils
66. Kidney secretes an enzyme, w	which changes plasma protein angiotensinogen into angiotensin. The
enzyme is	
A) Renin	B) Nitrogenase
C) Hydrolase	D) Mono-oxygenase
67. Red blood cells (RBCs) have	
A) No nucleus, no mitochond	dria and no endoplasmic reticulum.
B) Nucleus, mitochondria and	d endo-plasmic reticulum.
C) Nucleus, mitochondria bu	t no endo-plasmic reticulum.
D) No mitochondria but endo	pplasmic reticulum is present.
68. According to the Census 2011	l, the density of population in which one among the following states is the
lowest?	
A) Sikkim	B) Nagaland
C) Manipur	D) Mizoram
69. Headquarters of the world Me	eteorological organization is located in.
A) Washington	B) Geneva
C) Moscow	D) London
70 Motoh List Lwith List II and	relation the compact ensurements the code given below the Lister
List I	select the correct answer using the code given below the Lists: List II
	(Place)
(Industry) a) Petrochemical	1. Coimbatore
<ul><li>a) Petrochemical</li><li>b) Aircraft</li></ul>	2. Pinjore
c) Machine tools	3. Bengaluru
d) Cotton textiles	4. Bongaigaon
d) Conditiextnes	4. Doligaigaon
Code:	
a b c	d
A) 4 3 2	1
B) 4 2 3	1
C) $1 2 3$	4
D) 1 3 2	4

-	ents pertaining to coffee plantation in India:
	ate with a spell of dry weather during the ripening period.
2. Rolling fields having good	
	slopes exceeding temperature 35°C
4. Karnataka is the leading pr	
Which of the statements given	
A) 1 and 4 only $(2)$ 2 $(1)$ 4	B) 1,2 and 3
C) 3 and 4	D) 1,2 and 4
72 Dr Uriit patel who has been at	opointed recently as Governor of Reserve Bank of India, was holding
which position immediately pr	
A) Chief Economist, IMF	
B) Deputy Governor, Reserve	Bank of India
C) Chief Economic Advisor to	
D) Professor of Economics at	
73. Who among the following pers	sonalities is NOT a Governor of any Indian State?
A) Najma Heptulla	B) Ram Nath kovind
B) Acharya Dev Vrat	D) Arvind Subramaniam
· · ·	
74. Which of the following cricket	t teams was defeated by India to lift the women's Twenty to 20 Asia cup
2016?	
A) Bangladesh	B) Sri lanka
C) Pakistan	D) Afghanistan
	$\sim$ $^{\prime}$
75. Which one of the following wa	as the venue of 2 <sup>nd</sup> BRICS youth summit of the ministers, officials and
youth Delegations?	Y contraction of the second
A) New Delhi	B) Mumbai
C) Shillong	D) Guwahati
	ng states of India has recently proposed to frame the first Internal Secutiry
	s of terrorism, insurgency, communalism and caste violence?
A) Maharashtra	B) Gujarat
C) Uttar Pradesh	D) Chhattisgarh.
77 The world Humanitrarian Day	is being observed every year on which date?
A) 24 october	is being observed every year on which date?
C) 10 December	<ul><li>B) 19 August</li><li>D) 8 March</li></ul>

- 78. Surge pricing takes place when a service provider.
  - A) Raises the price of its product or service as demand outstrips supply.
  - B) Follows preset prices immune to demand and supply dynamics.
  - C) Fixes a minimum price for its services
  - D) Fixes an average price on the basis of transactions carried over a day.

79. By fulfilling which of the following conditions can a political party claim the status of a national party?

- 1. It secures at least six per cent (6%) of the valid votes polled in any four or more states, at a general election to the House of the people or, to the state Legislative Assembly.
- 2. It wins at least four seats in the House of the people from any state or states or wins at least two percent (2%)seats in the House of the people(i.e.,11 seats in the existing House having 543 members), and these members are elected from at least three different states.
- 3. The party in question has got recognition as a state party in at least two states.
- 4. It must have its headquarters in NewDelhi.

Select the correct answer using the code given below:

- A) 1,2 and 3
- C) 1 and 2 only

- B) 2 and 4 D) 1,3 and 4
- 80. In its emphasis on enhancing human capabilities, which one among the following does NOT figure in the Twelfth Five year plan?
  - A) Life and longevity
  - C) Delivery of public service

B) EducationD) Skill development

- 81. Which one of the following is NOT a target of the 12<sup>th</sup> Five-year plan?
  - A) Real GDP Growth Rate of 8 per cent
  - B) Agriculture Growth Rate of 5 percent
  - C) Manufacturing Growth Rate of 10 per cent.
  - D) Increase in Green cover by 1 million hectare every year during the plan period.
- 82. Which one of the following statements is NOT correct?
  - A) In the conduction mode of transference of heat, the molecules of solid pass heat from one molecule to another without moving from their positions.
  - B) The amount of heat required to raise the temperature of a substance is called its specific heat capacity.
  - C) The process of heat transfer in liquids and gases is through convection mode.
  - D) The process of heat transfer from a body at higher temperature to abody at lower temperature without heating the space between them is known as radiation.

- 83. The amount of heat required to change a liquid to gaseous state without any change in temperature is known as
  - A) Specific heat capacity.
  - C) Latent heat of vaporization
- B) Mechanical equivalent of heat
- D) quenching.

84. The following figure shows displacement versus time curve for a particle executing simple harmonic motion:

Which one of the following statements is correct?

- A) Phase of the oscillating particle is same at t = 1 s and t = 3s
- B) Phase of the oscillating paritcle is same at t=2 s and t=8s
- C) Phase of the oscillating particle is same at t=3s and t=7s
- D) Phase of the oscillating particle is same at t = 4s and t = 10s

85. Match List I with List II and select the correct answer using the code given below the Lists:

					U
List I					List II
(Dise	ase)				(Remedy)
a) H	lyperm	etropia			1. Concave lens
b) P	resbyo	pia			2. Bifocal lens
c) N	Iyopia				3. Surgery
	atarac				4. Convex lens
Code	s:				
	а	b	с	d	
A)	4	2	1	3	
B)	4	1	2	3	
C)	3	1	2	4	Y
D)	3	2	1	4	Y
,					

86. A circular coil of single turn has a resistance of  $20\Omega$ . Which one of the following is the correct value for the resistance between the ends of any diameter of the coil?

A) 5Ω	B) 10 Ω
C) 20 Ω	D) 40 Ω

87. In a solenoid, the current flowing through the wire nis I and number of turns per unit length is n. This gives a magnetic field B inside the solenoid. If number of turn per unit length is increased to 2n, what will be the value of magnetic field in the solenoid?A) B B) 2B

C) B/2 D) B/4

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	, , ,		1	т 					
A) B)	·	1 2	2 1	4					
٨	a ) 3	0 1	с 2	4					
		b	C	d					
	Xenon ode:		4. m	tungsten filament to last longer.					
	Krypton			ght in photographer's flash gun.					
	Neon			irport landing lights and in light houses					
a)	Argon			lights for advertising display.					
	lobel gas)	<b>F</b>	(Use)	·					
	st I	V	List l						
		with Li		d select the correct answer using the code given below the lists:					
			) *						
D	) Total nun	nber of	electron	ns in the outer most shell of an atom.					
				ns in an atoms					
	) Mass nur		-						
				s in an atoms					
93. Tł	ne Valency	of an e	lement	depends upon the					
C)	) 10%			1370					
	) 5% ) 10%			B) 9% D) 15%					
	lution?								
		non salt	is disso	olved in 180 g of water. What is the mass percentage of the salt in the	ne				
C)	) Zinc			D) Silver					
A	) Aluminiu	ım		B) Iron					
91. W	hich one of	f the fo	llowing	g elements corrodes rapidly?					
· · · · · · · · · · · · · · · · · · ·	) Chlorine			D) Carbon					
	) Oxygen		0	B) Hydrogen					
90. W	hich one o	f the fo	llowing	g elements forms highest number of compounds?					
C)	) by uisting	ation		D) By Condensation					
,	) By filtrat ) By distilla			B) By evaporation					
	-		xture co	ontains two liquids. How are they separated?	Y				
D	D) Magnification decreases with the increase in focal length of eyepiece.								
C)	C) Magnification does not depend upon the focal length of eyepiece.								
B)	B) Magnification increases with the increase in focal length of objective.								
	A) Magnification increases with the increase in focal length of eyepiece.								
88. W	hich one o	f the fo	llowing	statements is correct about the magnification of an optical microsc	ope?				

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C)	4	2	1	3	
D)	4	1	2	3	
95. Colo	urs visio	on in hu	man e	yes is the fun	action of photoreceptor cells named.
A) R	lods		•		B) Cones
C) B	lind spo	t			D) Fovea
96. Whic	ch one o	f the fol	lowing	g statements	is NOT correct?
A) A	all prote	ins are e	enzym	es	B) Mostly enzymes are proteins
C) A	All fats a	re energ	gy rich	compounds	D) Glucose is a common carbohydrate.
Э7. Suga	rcane is	one of	the im	portant cash	crops in India. It is grown to obtain.
	tarch				B) Glucose
C) Fi	ructose				D) Sucrose
		l part of	f the su	unflower or N	Marigold plant is.
	lower				B) Inflorescence
C) Fi	uit				D) Seed
00 Mata	h liat I .	with I in	+ II on	d calact the a	arreat arready ing the ends given helow the Lister
99. Mate		with Lis	List		correct answer using the code given below the Lists:
(Min	(Iangane			ding State) ttarakhand	
	langane Sypsum	se		arnataka	
	imestor			ajassthan	
	/agnesit			disha	
Code	-		т. О	uisila	
Cour	a.	b		d	
A)	а 1	3		4	
B)	1	2	3	4	
C)	4	2	3	1	
D)	4	3	2	1	
_,		C	-	-	
00. Whic	h one a	mong th	ne follo	owing is the o	correct order of tiger reserves situated from North to south in
India	*				
		- Simlip	al – Sa	ariska – Periy	var
		-		nlipal – Corb	
	-			nplipal – Per	
D) P					

D) Periyar – Simlipal – Sariska – Corbett.

<ul> <li>C) 3 and 4 only</li> <li>102. Match List I with List II and select the correct List I</li> <li>(Type of climate)</li> <li>(Type of climate)</li> <li>(Type of climate)</li> <li>(Dfc)</li> <li>(Dfc)</li> <li>(Comparison of the correct of t</li></ul>	on time. n below: B)1,2 and 3 D) 2,3 and 4 t answer using the code given below the Lists: List II (State)				
Select the correct answer using the code giver         A) 1 and 2 only         C) 3 and 4 only         102. Match List I with List II and select the correct         List I         (Type of climate)         (a) Monsoon with short Dry Season (Amw)         b) Cold Humid winter with short summer         (Dfc)         c) Monsoon with Dry winter (Cwg)         d) Monsoon with Dry Summer (As)	n below: B)1,2 and 3 D) 2,3 and 4 t answer using the code given below the Lists: List II (State) 1. Uttar pradesh and Bihar 2. Tamil Nadu Coast 3. Arunachal pradesh.				
<ul> <li>A) 1 and 2 only</li> <li>C) 3 and 4 only</li> <li>102. Match List I with List II and select the correct List I</li> <li>(Type of climate)</li> <li>a) Monsoon with short Dry Season (Amw)</li> <li>b) Cold Humid winter with short summer (Dfc)</li> <li>c) Monsoon with Dry winter (Cwg)</li> <li>d) Monsoon with Dry Summer (As)</li> </ul>	<ul> <li>B)1,2 and 3</li> <li>D) 2,3 and 4</li> <li>t answer using the code given below the Lists:</li> <li>List II</li> <li>(State)</li> <li>1. Uttar pradesh and Bihar</li> <li>2. Tamil Nadu Coast</li> <li>3. Arunachal pradesh.</li> </ul>				
<ul> <li>C) 3 and 4 only</li> <li>102. Match List I with List II and select the correct List I</li> <li>(Type of climate)</li> <li>(Type of climate)</li> <li>(Type of climate)</li> <li>(Dfc)</li> <li>(Dfc)</li> <li>(Dfc)</li> <li>(Monsoon with Dry winter (Cwg)</li> <li>(Monsoon with Dry Summer (As)</li> </ul>	<ul> <li>D) 2,3 and 4</li> <li>t answer using the code given below the Lists:</li> <li>List II</li> <li>(State)</li> <li>1. Uttar pradesh and Bihar</li> <li>2. Tamil Nadu Coast</li> <li>3. Arunachal pradesh.</li> </ul>				
102. Match List I with List II and select the correct List I         (Type of climate)         (a) Monsoon with short Dry Season (Amw)         b) Cold Humid winter with short summer (Dfc)         c) Monsoon with Dry winter (Cwg)         d) Monsoon with Dry Summer (As)	t answer using the code given below the Lists: List II (State) 1. Uttar pradesh and Bihar 2. Tamil Nadu Coast 3. Arunachal pradesh.				
List I (Type of climate) ( a) Monsoon with short Dry Season (Amw) ( b) Cold Humid winter with short summer (Dfc) ( c) Monsoon with Dry winter (Cwg) ( d) Monsoon with Dry Summer (As) ( d)	List II (State) 1. Uttar pradesh and Bihar 2. Tamil Nadu Coast 3. Arunachal pradesh.				
List I (Type of climate) ( a) Monsoon with short Dry Season (Amw) ( b) Cold Humid winter with short summer (Dfc) ( c) Monsoon with Dry winter (Cwg) ( d) Monsoon with Dry Summer (As) ( d)	List II (State) 1. Uttar pradesh and Bihar 2. Tamil Nadu Coast 3. Arunachal pradesh.				
<ul> <li>a) Monsoon with short Dry Season (Amw)</li> <li>b) Cold Humid winter with short summer (Dfc)</li> <li>c) Monsoon with Dry winter (Cwg)</li> <li>d) Monsoon with Dry Summer (As)</li> </ul>	<ol> <li>Uttar pradesh and Bihar</li> <li>Tamil Nadu Coast</li> <li>Arunachal pradesh.</li> </ol>				
<ul> <li>b) Cold Humid winter with short summer (Dfc)</li> <li>c) Monsoon with Dry winter (Cwg)</li> <li>d) Monsoon with Dry Summer (As)</li> </ul>	2. Tamil Nadu Coast 3. Arunachal pradesh.				
(Dfc)2c) Monsoon with Dry winter (Cwg)2d) Monsoon with Dry Summer (As)2	3. Arunachal pradesh.				
<ul> <li>c) Monsoon with Dry winter (Cwg)</li> <li>d) Monsoon with Dry Summer (As)</li> </ul>	3. Arunachal pradesh.				
d) Monsoon with Dry Summer (As)					
· · · · · · · · · · · · · · · · · · ·	4. Kerala and Karnataka Coast.				
Codes:					
Codes:					
a b a d					
a b c d A) 4 3 1 2					
$\begin{array}{c} \text{A)} \begin{array}{c} 4 \\ \text{B)} \end{array} \begin{array}{c} 4 \\ 1 \end{array} \begin{array}{c} 3 \\ 2 \end{array} \end{array}$	Y				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	<b>Y</b>				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
103. Which one of the following Himalayan rivers	does NOT originate from across the Himalayas?				
	B) Satluj				
C) Ganga	D) Brahmaputra.				
104. The Headquarters of Eastern Railway zone of	•				
	B) Kolkata				
C) Hajipur	D) Guwahati				
105 Which are smart the following countries is t	he lowest too ding a north on of India in external too do for the				
	he largest trading partner of India in external trade for the				
year 2015 -2016? A) United states of America B) United Kingdom					
	B) United Kingdom D) China.				
V C) Onited Arab Enimates	D) China.				

106. The radii of curvature of the faces of a double convex lens are 10 cm and 20 cm. The refractive index of
the glass is 1.5. What is the power of this lens (in units of dioptre)?

A) +7.5D	-	B) -7.5D
C) + 2.5D		D) $+5.0D$

107. The time period of a simple pendulum made using a thin copper wire of length L is T. Suppose the temperature of the room in which this simple pendulum is placed increases by 30°C, What will be the effect on the time period of the pendulum?

- A) T will increase slightly B) T will remain the same
- C) T will decrease slightly D) T will become more than 2 times.

108. Which one of the following physical quantity has the same unit as that of pressure?

- A) Angular momentum B) Stress
- C) Strain D) Work.

109. Which one of the following statements is correct with regard to the material of electrical insulators?

- A) They contain no electrons.
- B) Electrons do not flow easily through them
- C) They are crystals
- D) They have more number of electrons than the protons on their surface.

110. Which one of the following physical quantities does NOT affect the resistance of a cylindrical resistor?

A) The current through it

B) Its length

- C) The resistivity of the material used in the resistor.
- D) The area of cross section of the cylinder.
- 111. Which one of the following statements regarding king krishnadevaraya is NOT correct?
  - A) He was a great scholar of Telugu and Sanskrit.
  - B) Foreign travellers paes and Nuniz visited his court.
  - C) Barbosa praised him for the great justice and equity prevailing in his empire.
  - D) He wrote his magnum opus Amuktamalyada in Sanskrit.

112. Match List I with List II and select the correct answer using the code given below the lists:

List I

List II

- (Amendment to the constitution of India) (Subject)
- a) 52<sup>nd</sup> Amendment Act,1985
- b) 73<sup>rd</sup> Amendment Act, 1992
- c) 61<sup>st</sup> Amendment Act, 1988
- d) 86<sup>th</sup> Amendment Act, 2006
- 1. Reduction of voting age from 21 to 18.
- 2. Right to Education.
- 3. Panchayati Raj
- 4. Disqualification on grounds of defection.

#### Code:

	а	b	c	d
A)	4	1	3	2
B)	4	3	1	2
C)	2	3	1	4
D)	2	1	3	4

- 113. Which one of the following was NOT a cause of the Revolt of 1857?
  - A) The rumour that the British had mixed the bone dust of cows and pigs into the flour being sold in the market.
  - B) The prophecy that British rule would come to an end on the centenary of the Battle of plassey on 23<sup>rd</sup> June, 1857.
  - C) Popular discontent with British rule.
  - D) The prophecy that the end of British rule would lead to the end of the Kali yuga and the return of Ram Rajya.
- 114. Which one of the following was NOT a feature of the subsidiary Alliance of Lord Wellesley?
  - A) The British were responsible for protecting the ally from any external threats.
  - B) All internal threats were to be handled by the ally alone, with no help from the British.
  - C) The ally was to provide resources for maintaining a British armed contingent stationed in its territory.
  - D) The ally could not enter into any agreement with other rulers without the permission of the British.
- 115. Match List I with List II and select the correct answer using the code given below the Lists:
  - List I
  - (Place) (Mineral)

List II

- a) Lakwa 1. Copper
- b) Malanjkhand 2. Petroleum
- c) Kalakot 3. Žinc
- d) Zawar 4. Coal

	a	* <b>U</b>	C	u
A)	3	4	1	2
A) B) C)	3	1	4	2
C)	2	1	4	3
D)	2	4	1	3

116. Which of the following are the major coral					
1. Gulf of Kachchh 2. Gulf of Mannar	3. Lakshadweep	4. Andaman and Nicobar Islands.			
Select the correct answer using the code gi					
A) 1 and 3 only $(1, 2, 3, 4, 3, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,$	B) 2 and 4 only $(12)$				
C) 1,2 and 3 only	D) 1,2,3 and 4				
<ul> <li>117. Which of the following regions is/are NOT</li> <li>1. Mumbai - Pune region</li> <li>2. Madurai - Coimbatore region</li> <li>3. Dhanbad - Jamshedpur region</li> <li>4. Indore - Ujjain region.</li> <li>Select the correct answer using the code gi</li> <li>A) 1 and 3</li> <li>C) 1,2 and 4</li> </ul> 118. Which one of the following states does NOA A) Jharkhand	ven below: B) 2 and 3 D) 3 only OT have the Headquart B) Chhattisgarh	ACADE			
C) Odisha	D) Bihar.				
<ul> <li>statements is correct in this case?</li> <li>A) The positive charges are transferred from</li> <li>B) The positive charges are transferred from</li> <li>C) The negative charges are transferred from</li> <li>D) The negative charges are transferred from</li> </ul>	om wool to rod. om rod to wool. rom wool to rod.	anay f and angular fragmanay (). 2			
120. Which one of the following is the correct r	B) $\omega = 2\pi f$	ency I and angular frequency $\omega$ ?			
A) $F = \pi \omega$ C) $f = 2\omega/\pi$	D) $\omega = 2\pi i$ D) f= $2\pi\omega$				
C) $I = 2\omega/\hbar$	$D$ ) $1=2\pi\omega$				
<ul><li>121. A kelvin thermometer and a fahrenheit the What would be the corresponding reading A) 574</li><li>C) 273</li></ul>					
$\sim$					
122. If the potential difference applied to an x-r	•				
filament and the target as same, what will		avelength?			
A) Will remain same	B) Will be doubled				
C) Will be halved	D) Will be four time	es of the original wavelength.			
ARMY, NAVY, AIRFORCE, POLICE Page 19 www.Muppadaitrainingacademy.com Contact - 7200 400 395 / 398					

123. Which one of the following statements is true for the relation  $F = \frac{Gm_1m_2}{r^2} = ?$ 

(All symbols have their usual meanings)

- A) The quantity G depends on the local value of g, acceleration due to gravity.
- B) The quantity G is greatest at the surface of the Earth.
- C) The quantity G is used only when earth is one of the two masses.
- D) The quantity G is a universal constant.

ACAD 124. Why is it difficult to measure the coefficient of expansion of a liquid than solid?

- A) Liquids tend to evaporate at all temperatures.
- B) Liquids conduct more heat.
- C) Liquids expand too much when heated
- D) Their containers also expand when heated.

125. Radon is

- A) An inert gas
- C) An explosive

B) An artificial fibre D) A metal

126. The chemical name of baking soda is

- A)  $Na_2CO_3$
- C) CaCO<sub>3</sub>

127. Which one of the following elements is used in pencil - lead?

- A) Zinc
- C) Carbon (Graphite)

B) Lead D) Tin

B) NaHCO

D) NaOH

128. Who among the following is one of the authors of the book "Philosophy of the Bomb"?

A) Bhagat singh C) Surya sen

B) Jawaharlal Nehru D) Yashpal

- 129. Which of the following statements about the chittagong group is NOT correct?
  - A) Its membership included a large number of youth including Ganesh Ghosh, Lokenath Baul and Anant Singh.

B) Its Leader surva Sen had been a lawyer in Dhaka before joining the group.

C) Surva Sen and his group were closely associated with congress work in chittagong.

D) This group had prepared an action plan to occupy the armouries in chittagong.

130. Which one of the following was a significant feature of the Quit India Movement?

A) Women did not play an important role in the movement.

B) Nasik in Maharashtra was an important regional base during the movement.

C) It was marked by anti-zamindar violence.

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FIN

$\mathbf{D} \setminus \mathbf{L}$ 1	11 .1	C 11 1	11.00	CT 11
D) It was mark	ked by the emergend	ce of parallel govern	ments in different par	ts of India.
_ /			r r r	

- 131. Which one of the following characteristics does NOT describe the Khilafat movement?
  - A) Mahatma Gandhi sought to link it to the Non- Cooperation movement.
  - B) It was not supported by the congress.
  - C) It demanded that the Turkish Sultan must retain control over Muslim sacred spaces in the erstwhile Ottoman empire.
  - D) It was led by muhammad Ali and Shaukat Ali.

132. Which one of the following was NOT a feature of railways in colonial India?

- A) The main purpose of the setting up of railways in India was to serve the interest of the empire.
- B) British capital investments were invited with 15% guaranteed interest to be paid if necessary from Indian revenues.
- C) The construction work disturbed ecology.
- D) The construction of the railways was planned in such a way that it connected the internal markets with the ports, but provided no inter connection between internal market cities.
- 133. Which colonical administrator made the following declaration about the partition of Bengal in 1904? " Bengal united is a power. Bengal divided will pull in different ways. That is perfectly true and one of the merits of the scheme".
  - A) Lord Curzon
  - C) Lord minto

B) H.H. RisleyD) Sir Lancelot Hare

134. Who launched the Bardoli satyagraha on 4th February, 1928?

- A) Mahatma Gandhi
- C) Rajendra prasad

- B) Vallabhbhai patel
- D) Kalyanji mehta
- 135. Which one of the following Princely states did NOT support the Congress during the course of the Civil Disobedience Movement?
  - A) BhavnagarB) MysoreC) JunagadhD) Kathiawar.
- 136. Which one of the following is a feature of thought and philosophy of the kandukuri viresalingam?A) He believed that science and morality were unconnected to truth.

B) He believed in universal education.

C) He believed that lanugage had no role in inclucating morality in students.

D) He did not attempt to build a national consciousness on a cultural base.

A) A	Abul fazl				B) 7	Tansen			
C) N	luhamma	ad Husa	yn		D) I	Auhammad	Kasim		1
138. Whi	ch one of	the fol	lowing	sections	of the Golde	en Quadrilate	eral Highw	ay in India	is the longest in
term	s of route	e distan	ce?						N'
A) I	Delhi	-	Kolk	ata					
B) H	Kolkata	-	Chen	nai					A YY
C) (	Chennai	-	Mum	bai					$\mathbf{A}$
D) 1	Aumbai	-	Delhi						$\mathbf{\vee}$
120 Mat	h tha Lia	ot I with	List H	and colo	at the correct	t onewor hei	ng tha and	a given hel	ow the Lists:
137. Iviau		List I	LIST II	and sele		List II	ing the cour	es given del	ow the Lists.
(Cla	ssificatio		ources	)		(Exampl	e) 🕨	7	
	Basic inex					1. Hydel	· · · · · · · · · · · · · · · · · · ·	Ŧ	
				vable reso	ource	2. Coal			
				wable res		3. Solar	energy		
					able resource				
Code						XY	0		
	a	b	с	d					
A)	3	2	1	4		$\mathbf{\mathbf{Y}}$			
B)	3	1	2	4					
C)	4	1	2	3					
D)	4	2	1	3	E				
1 10 3 5						•			
		with Lis			e correct an	swer using t	he code giv	ven below t	he Lists:
List		• 、	List I						
	eral depo	osit)	(State						
	Gypsum		1. Od						
	Graphite		2. Gu	-					
	Fluorspar	K-		unachal p	oradesh				
	Nickel	<i>Y</i>	4. Ra	jasthan.					
Cod									
$\sim$	a	b	c	d					
A)	1	3	2	4					
B)	1	2	3	4					
<b>C</b> )	4	3 2	2 3	1					
D)	4	-	-	1					

141. Which one of the following pairs of Tribe and state is NOT correctly matched?

- A) Tharu : Madhya pradesh
- B) Adi : Arunachal pradesh
- C) Irula : Kerala
- D) Shaharia : Rajasthan.

142. If the abolute refractive indices of glass and water 3/2 and 4/3 respectively, What will be the ratio of velocity of light in glass and water?

A) 3:4	B) 4:3
C) 8:7	D) 8:9

143. A positive charge +q is placed at the centre of a hollow metallic sphere of inner radius a and outer radius b. The electric field at a distance r from the centre is denoted by E. In this regard, which one of the following statements is correct?

B) E = 0 for r < a

D)  $E = q/4\pi\varepsilon_0 a$  for r

A) E = 0 for a < r < b

C) E= q/4 $\pi \varepsilon_0 r$  for a < r < b

144. Consider the following Indian states:

- 1. Bihar2. Rajasthan3.Jammu and Kashmir 4.HaryanaWhich one of the following is the correct ascending order of the above states on the basis of percentage<br/>of state's population to total population of India (based on census 2011)?
- A) 3 4 1 2
- B) 4 2 1 3
- C) 3 4 2 1
- D) 2 3 4 1

145. Who among the following was the author of the Badshah Nama?

- A) Abdul Hamid Lahori B) Abul Fazl
- C) Shah Jahan 🧹 🔰

D) Sadullah khan

146. Which one of the following statements about Fatehpur sikri is NOT correct?

- A) It was located on the direct road to Ajmer.
- B) Akbar commissioned the building of a marble tomb for shcikh salim chisti next to the Friday mosque at Fatehpur sikri.

C) The arched gateway or Bulund Darwaza was meant to remind visitors of the mughal victory in Gujarat.

D) In 1585, the capital of the Mughal emperor shifted from fatehpur sikri to Delhi.

147. Which one of the following cities hosted the 3<sup>rd</sup> world Trauma congress recently?

- A) New Delhi B)
- C) Singapore

B) DaccaD) Bangkok

148. Which one of t he following is NOT one of the objectives of Act East policy?

- A) Topromote economic cooperation, cultural ties and develop strategic relationship with countries in the Asia paoifio region.
- B) To promote peace and amity with the neighbouring countries of Asia.
- C) To place emphasis on India ASEAN cooperation in India's domestic agenda.
- D) To provide enhanced connectivity to the North East of India.
- 149. Arrange the following countries in ascending order on the basis of the total medals earned by them in Rio Olympic 2016:

1.	United states	2. China	3. Great Britain 4. Russia			
Select the correct answer using the code given below:						

 A) 1
 2
 3
 4

 B) 1
 3
 2
 4

 C) 4
 3
 2
 1

 D) 4
 3
 1
 2

150. Which one of the following is NOT an objective of the National Civil Aviation policy 2016?

- A) Establish an integrated eco-system which will lead to significant growth of civil aviation sector.
- B) To promote tourism, increase employment and lead to a balanced regional growth.
- C) Ensure safety, Security and sustainability of all sectors through the use of technology.
- D) Enhance regional connectivity through fiscal support and infrastructure development.