

GENERAL STUDIES - 2017 (ENGLISH)

- 101. Which one of the following is correctly matched?
 - 1. Gregor Mendel
- Neurospora
- 2. T.H. Morgan
- Drosophila
- 3. C.B. Bridges
- Garden pea
- 4. J.H. Muller
- Mice

(A) 1

- (B) 2
- (C)3
- (D) 4

- 102. Factorization of $(x + y)^2 + 9(x + y) + 8$ is
 - (A) (x+y+1)(x+y)

(B) (x + y+1)(x + y + 8)

- (C) (x + y + 1)(x + y + 6)
- (D) (x + y + 8)(x + y + 2)
- 103. What is the difference between the sum of first 'n odd natural numbers and that of first 'n' natural numbers?
 - (A) $\frac{n}{2} + 1$

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

- (B) $\frac{n(n-1)}{2}$ (D) $\frac{n(n+1)(2n+1)}{6}$
- 104. Before E.V. Ramaswamy Vaikom Satyagraha was first started by three leaders. They were
 - (A) T. Prakasam, T.K. Madhavan and K.P. Kesava Menon
 - (B) T.K. Madhavan, K.P. Kesava Menon and George Joseph



- (C) George Joseph, T. Prakasam and T.K. Madhavan
- (D) K.P. Kesava Menon, T. Prakasam and George Joseph
- 105. Who was called 'The Father of Modern India'?
 - (A) Ambedhkar

(B) Periyar' E:V.R



(C) Gandhiji

- (D) Rajaram Mohan Roy
- 106. MRTP Act, 1969 has been repealed and replaced by the competition Act, 2002 with effect from
 - (A) 2002
- (B) 2009
- (C) 2013
- (D) 2016



- 107. The basic objective of Gandhian plan brought out by S.N. Agarwala was
 - (A) Agricultural development
 - (B) Growth of cottage and village industries

- (C) To achieve equality
- (D) To raise the material as well as the cultural level of Indian masses
- 108. The last Deputy Chairman of Planning Commission of India was
 - (A) Manmohan singh

(B) Narendra Modi



(C) Arun Jaitley

- (D) Montek Singh Ahluwalia
- 109. In India, power of Judicial Review is restricted because the
 - (A) Executive is supreme

- (B) Legislature is supreme
- (D) Judges are transferable
- (C) Constitution is supreme

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110. The government of India instituted Bharat Ratna and Padma Shri awards under

(A) Article 14 of the Indian constitution (B) Article 18 of the Indian constitution (C) Article 25 of the Indian constitution (D) Article 32 of the Indian constitution 111. Iron Lady of Manipur, Irom Sharmila got how many votes in the 2017 Manipur Assembly election? (A) 10 votes (B) 30 votes (C) 60 votes (D) 90 votes 112. Which district of Tamilnadu, Chief Minister announced new dental college from the year 2017? (B) Dharmapuri (A) Chennai (C) Virudhunagar (D) Pudukottai 113. Which one of the following state government has shifted its financial year from [April 1 to March 31] to calendar year [January 1 to December 31]? (A) Kerala (B) Madhya Pradesh (C) Punjab (D) West Bengal 114. In Transmission Electron Microscope (TEM) is used to magnify the objects. (B) Optical Lenses (A) Light (C) Electrons (D) Scanner 115. The Respiratory quotient value for glucose is (B) 1.0 (A) 0.5(C) 1.5(D) 2.0116. What percent of an hour is 36 seconds? (A) 6% **(B) 1%** (C) 10% SUARA (D) 36% $\langle \frac{x^m}{x^n} \rangle^{m+n} \qquad \langle \frac{x^n}{x^l} \rangle^{n+l} \qquad \langle \frac{x^l}{x^m} \rangle^{l+m} \subset E : 2 \bigcirc 1 \boxed{1}$ 117. (C) x^{m+n+l} (D) $\frac{1}{x^{m+n+l}}$ 118. If the LCM of x and y is z, what is the H.C.F of x and y? $(C)\frac{yz}{x} \qquad (D) xy$ 119. The number of delegates who attended the first session of the Indian National Congress was (A) 25 (B) 100 (C)72(D) 2000



				- —	$\cdot - \cdot \cdot - \cdot \cdot - \cdot \cdot$	—··-			
120.	The re	volution	ary nat	ionalis	Nelakanda Brahmachari was b	orn at			
	(A) Th	nirunelv	eli		(B) Madurai	(B) Madurai			
	(C) S	irkali			(D) Chennai				
121.	Mercu	ıry the s	smallest	planet	as only 88 earth days to orbit	the sun, because			
	(A) Si	ze of the	e planet		(B) Spinning sp	eed			
	(C) D	istanc	e from	the su	(D) It's thin atm	nosphere 🔛			
122.	Match	the dis	asters v	with its	pe and pick the correct answer	rs code :			
	(a) Bli	izzards			1. Hydrological disaster				
	(b) Ts	unamis			2. Health disaster				
		ıclear ac		3	3. Atmospheric disaster				
	(d) Pa	ndemic	:		4. Anthropogenic disaster	Anthropogenic disaster			
		(a)	(b)	(c)	(d)				
	(A)	2	1	4	3				
	(B)	2	3	4	1				
	(C)	3	1	2	4 5 5 10				
	(D)	3	1	4	2				
124.	The special status provided to Jammu and Kashmir under Art. 370 limits parliament to enact laws relating to (A) List I and List -III of the Seventh Schedule (B) List I only of the Seventh Schedule (C) List-II only of the Seventh Schedule (D) List I, II & III of the Seventh Schedule The ideals of liberty, equality and fraternity enshrined in the preamble of the Constitution of India were adopted under inspiration from the (A) American Declaration of Independence (B) French Revolution (C) Russian Revolution (D) UN Charter								
129.	(A) 11	,00,346 ,06,232	votes	ics of th	(B) 11,04,546 (D) 13,00,346 v	votes			
126.	 Which one of the following is the objective of perspective plan 2023? (A) Create Employment Opportunity (B) Digital Technology (C) Award (D) Reward 								
127.	Projectile motion is a combination of horizontal motion with constant and vertical motion with constant								
	(A) A	ccelerati	ion, vel	ocity	(B) Velocity, a				
	(C) Di	splacen	nent, ve	locity	(D) Velocity, dis	splacement			

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- 128. Nuclear force is
 - (A) charge dependent
 - (B) spin independent
 - (C) both charge and
 - (D) spin independent in dependent but charge independent
- 129. Tax is charged on some items which are manufactured in the country. This is collected by the Government of India. This Tax is
 - (A) Direct Tax

(B) Indirect Tax



(C) Excise Duty

(D) Service Tax



130. The value of $\frac{X^2 - 2X}{X^2 + 2X} X \frac{3X + 6}{X - 2}$



(A) 3x

(C) 3x + 2

(D) x - 2

- 131. Which of the following is arranged in correct ascending order?
 - (A) 25% of 8, 40% of 6, 30% of 9, 20% of 15
 - (B) 20% of 15, 25% of 8, 30% of 9, 40% of 6



- (C) 30% of 9, 40% of 6, 25% of 8, 20% of 15
- (D) 20% of 15, 30% of 9, 40% of 6, 25% of 8
- 132. Which of the following is larger in area?
 - (A) A triangle with base 10 cm and height 8 cm
 - (B) A triangle with sides 12 cm, 5 cm and 13 cm



- (C) An equilateral triangle whose sides are 10 cm each
- (D)A right angled triangle whose sides containing the right angle are 3 cm and 4 cm
- 133. Tambapanni is the old name of
 - (A) Tamil Nadu



(B) Kerala (C) Srilanka

(D) Karnataka

- 134. Name the journal which declared 'Swami Vivekanand the greatest figure in the Parliament'.
 - (A) Young India



(B) Samachar Darpan

(C) Swadeshi Mitran



(D) New York Herald

- 135. A scheme to provide Support to Training and Employment of Women (STEP) was launched in the
 - (A) 1986 87



(B) 1990 - 91

(C) 1995 - 96

- (D) 1996 97
- 136. Prime Minister of India inaugurated India's longest road bridge on May 26, 2017. Which states are connected by this bridge?
 - (A) Assam and Arunachal Pradesh
 - (B) Assam and Manipur
 - (C) Assam and Thiripura
 - (D) Manipur and Thiripura



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- 137. The first stage of the strategy related to Intensive Agricultural District Programme was started in the year
 - (A) 1951-52
- (B) 1960-61
- (C) 1965-66
- (D) 1990-91



- 138. Which of the following statements are correct with regard to Tamil Nadu 'Pudhu Vaazhvu Project'?
 - 1. It was launched in 2005
 - 2. It is aided by World Bank



- 3. The total outlay is Rs. 1,667 crores
- 4. It is being implemented in 26 districts

(A) All are correct statement

- (B) (1), (2), (3) are correct
- (C)(2),(3),(4) are correct
- (D) (1), (2) and (4) are correct
- What percentage of total cultivation area in Tamilnadu is rainfed (Manavari)? 139.
 - (A) 55%
- (B) 57%
- (C) 54%



- 140. Indian Neutrino Observatory is situated in which district of "Tamilnadu?
 - (A) Madurai
- (B) Theni
- (C) Cuddalore
- (D) Chennai



- 141. Which one is wrongly matched pair in their characters?
 - (A) Pancreas
- Glucagon
- (B) Small intestine
- Stomatostatin



- (C) Testis
- **Estrogen**
- (D) Adrenal gland
- Glucocorticoids
- 142. Which of the following hormone stimulates contraction of uterine smooth muscle?
 - (A) Epinephrin
- (B) Insulin



- (C) Oxytocin
- 143. If A = +, B = , C = x and D = then what is the value of $\frac{1}{5}C2B\frac{1}{5}D\frac{1}{10} = ?$
 - (A) 2.1
- (B) 1.2
- (C) 2.5

- 144. The value of $\frac{X^3 1}{X + 3}$ $\div \frac{X^2 + X + 1}{3X + 9}$
 - (A) 3x-l
- (B) 3(x + 1)
- (C) 3(x-1)
- (D) 3x + 2

- 145. Arrange the following in chronological order:
 - 1. Senkuttuvan
- 2. Emayavaramban
- 3. Kanaikal Irumporai
- 4. Kuttuvan Cheral

- (A) 2, 1, 4, 3
- (B) 4, 2, 3, 1
- (C) 2,1,3,4
- (D) 3,2,4,1



146.	In Chola kingdom the revenue department was called as (A) Perumtharam (B) Utan Kuttam (C) Puravuvari (D) Olai Nayagam						
147.	Despite the substantial improvement in health conditions of people in India, there has been certain negative trends due to 1. High incidence of HIV/AIDS in rural areas 2. High incidence of HIV/AIDS in urban areas 3. Growing incidence of Heart diseases and cancer in rural areas 4. Growing incidence of Heart diseases and cancer in urban areas (A) All are correct (B) 1 and 3 correct (C) 2 and 4 correct (D) 1, 3 and 4 correct						
148.	 Which one of the following is not correct related to the distinctions between the grants under Article 275 and Article 282 of the Constitution of India? (A) The grants-in-aid under Article 275 are statutory whereas under Article 282 they are discretionary (B) Under Article 282, the union has the power to provide grants-in-aid even for non-plan expenditure (C) Under Article 275, the union has the right to give grants in accordance with the decision taken on the basis of recommendation of Finance Commission (D) Allocation of Grants under Article 282 is based on the recommendation of Cabinet Committee 						
149.	When BSE's sensex has reached its maximum 30,000 - mark for the first time in the history? (A) 26 December 2016 (B) 26 January 2017 (C) 26 April 2017 (D) 26 May 2017						
150.	The Indian Space Research Organisation (ISRO) successfully tested indigenously developed cryogenic engine on (A) January 25, 2017 (B) January 30, 2017 (C) April 1, 2017 (D) March 30, 2017						
151.	The area of a semi-circle of radius 7 cm. is (A) 7 cm2 (B) 777 cm3 (D) 7777 cm2						
152.	The oxidation of SO_3^{2-} to SO_4^{2-} ion by oxygen $SO_3^{2-} + \stackrel{!}{:} \stackrel{!}{\circ} \to SO_3^{2-}$, in this reaction which is Lewis acid and Lewis base? (A) SO_3^{2-} is Lewis acid and oxygen is Lewis base SO_3^{2-}						
	 (B) Oxygen is Lewis acid and SO₃²⁻ is Lewis base (C) Both are Lewis acids (D) Both are Lewis bases 						



153.	A boy is now twice as old as his sister, four years ago, he was thrice as old as her what are their age now?							
	(A) 18, 9	(B) 14, 7	(C) 16, 8	(D) 12, 6				
154.	$x^{3/2}$: 9 = 16: \sqrt{x}	What is the value of	x?					
	(A) ±16	(B) ±3	(C) ±4	(D) ±12				
155.	The arithmetic mean of a group of 75 observations was calculated as 27. It was later found that on observation was wrongly read as 43 instead of the correct value 53. Obtain the correct arithmetic mean of the data.							
	(A) 26.13	(B) 27.13	(C) 28.13	(D) 25.13				
156.	A sum of mone (A) 24	ey triples itself at 8%] (B) 25	per annum over certa (C) 20	in time. The num	ber of years is equal to			
157.	Cultivable lands which has not been ploughed for between one and five years are called as (A) Culturable waste (B) Current fallows (C) Other fallows (D) Permanent fallows							
158.	3. Tidal forests of Ganga-Brahmaputra delta, mainly consists of (A) Rhododentrons (B) Hardwood palms (C) Laurels (D) Junipers							
160.	160. In the rules of business of Indian Parliament, if the speaker admits, notice of a motion but no date is fixed for its introduction — then it is called (A) Call attention motion (B) Adjournment motion (C) No confidence motion (D) No day - Yet - named motion							
161.	In India which energy? (A) NPL, New (C) USER, Koll	v Delhi	ntists recently produ (B) IISC, Bengaluru (D) IIT, Chennai		rom water without using			
162.	In which place [IIS] on Dec. 2: (A) Ahmedabae (C) Kanpur	0, 2016?	India inaugurated the (B) Bengaluru (D) Varanashi	e country's first	Indian Institute of Skills			
163.	A supernova is eye? (A) 1600, 1980				a are visible to the naked 5, 1997			

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164. Calculate the dimensions of Planck's constant 'h', using the equation $E = h\gamma$, where $E \rightarrow$ energy and

- $\gamma \rightarrow$ frequency
- (A) MLT-1

- (B) ML² T⁻¹

(C) ML⁻¹ T⁻²

(D) ML⁻²T⁻¹

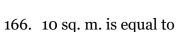
165. The cylinder whose base is not in circular form is called

- (A) Circular cylinder
- (B) Right circular cylinder



(C) Oblique cylinder

(D) Irregular cylinder



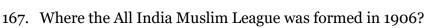
(A) 100 sq. cm.

(B) 1000 sq. cm.



(C) 10000 sq. cm.

(D) 100000 sq. cm.



(A) Mumbai

(B) Uttar Pradesh



(C) Chennai

(D) Dhaka

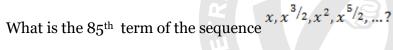
168. When 'Swadeshi day' was celebrated in India?

(A) 27 May, 1932

- (B) 28 May, 1932

(C) 29 May, 1932

(D) 30 May, 1932



169.



(C) $\pi r l$



171. Which one of the following matches is correct?

- (a) Thyroid hormone
- 1. Cushing's disease

(b) Insulin

- 2. Myxedema
- (c) Corticosteroids
- 3. Acromegaly
- (d) Growth hormone
- 4. Diabetes

- (a)
 - (b)
- (d) (c)
- (A) 1
- 3
- (B) 2 4
- 3
- (C)42 1
- (D) 2
- 3 3

4

1



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1. Telugu Desam party

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

List I

List II

- (a) P.A. Sangma
- (b) G.M.C. Balayogi
- (c) Manohar Joshi
- (d) Somnath Chatterjee
- 2. CPI (m)
- 3. Shiv Sena
- 4. Congress -1



- (b)
- (c)
- (A) 2

(D) 4

- 3
- (B) 4
- $(C)_2$

 - 3

3

4 1

(d)

- 3
- 2



- (A) Chennai Tamil Nadu
 - (C) Cochin Kerala
- 173. Rajiv Gandhi School of Intellectual Property Rights Law is located in-----(city) of (B) Ujaini-Madhya Pradesh
 - (D) Khargpur West Bengal



- 174. Which one of the following is not correctly matched?
 - (A) Varishtha Pension Bima Yojana Social security for old age
 - (B) Pravasi Kaushal Vikas Yojana Seeking employment in abroad
 - (C) PM Fasal Bima Yojana Insurance coverage to farmers
 - (D) PM Gram Sadak Yojana Empowerment of rural women
- 175. Cyanide resistant respiration is found in
 - (A) Plants only

- (B) Animals only

- (C) Both plants and animals
- (D) Plants and Microbe
- 176. Male sex hormone 'testosterone' is produced by
 - (A) Levdig cells

(B) Sertoli cells

SINCE: 2011

- (C) Germinal epithelial cells
- (D) Spermatogonia! Cells
- 177. Total surface area of hollow hemisphere is equal to
 - (A) $2\pi (R^2 + r^2)$ sq. units

(B) $2\pi (R^2 - r^2)$ sq. units



- (C) $\pi(3R^2 + r^2)$ sq. units
- (D) $\pi(3R^2 r^2)$ sq. units
- 178. The probability that a leap year will have 53 Fridays or 53 Saturdays is
 - (A) 1/7
- (B) 2/7
- (C) 3/7
- (D) 4/7



- 179. Match the following:
 - (a) Annie Besant
- 1. Kesari
- (b) Bipin Chandrapal
- 2. Common weal
- (c) Boopendra Nath Dutt
- 3. The New Asia

(d) Tilak

4. Yuganthar

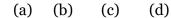
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ISC	O 9001: 201	.5				•			
-	(a)	(b)	(c)	(d)		— · · · — · •			
	(A) 3	4	1	2					
	(B) 2	1	4	3					
	(C) 4	3	1	2					
	(D) 2	3	4	1					
180.	Which	is wro	ngly ma	itched?					
	(A) Ind	lo - Eu	ropean	Family - A	rya				
				Nishada					
				lly - Dravid					
	(D) Sir	10 - Ti	ibetan	Family –	Munda				
181.		marked the beginning of census taking in India.							
	(A) The	•			(B) The year 1872				
	(C) The	e year	1882		(D) The year 1892				
182.	Constit	Constitutional status to the Panchayat Raj Institutions was initiated based on the recommendation							
	of				s STUD				
			io Comi		(B) L.M. Singhvi Committee				
	(C) Ashok Mehta Committee (D) Balwantray Mehta Committee								
183.	Which	Which Article of the Constitution of India conferred special leave petitions power to the Supreme							
	Court?				E				
	(A) Ar	t. 136)	(B) Art.	32 (C) Art. 139 (D) Art. 226				
184.	Which one of the organisation organised the Gyan Sangam [Knowledge Summit] in New Delhi on								
	March,	2017?)'						
	(A) Pr	ajna l	Parvah	1	SUCCESS				
		(B) Christian Education Society 150 9001: 2015							
	(C) Students Islamic Movement of India								
	(D) De	mocra	tic Yout	h Federati	on of India E : 2011				
185.	Which of the following aim comes under Prime Minister Krishan Sai Yojana?								
	(A) Env				(B) To increase ground water	\bigcirc			
	(C) Clo	th pro	duction		(D) Free food				
186.	Which one of the organic pesticides that contain phosphorous?								
	(A) DD	T			(B) BHC				
	(C) 2, 4	ţ-D			(D) Parathion				
187.	Match	the fol	lowing	:					
	(a) Mix	ed fer	tilizer		1. DAP				
		_	fertilize	r	2. NPK				
	(c) Bio				3. Oil cake				
	(d) Org	ganic n	itrogen	fertilizer	4. Algae				



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- is often drawn as a guide, so that a frequency polygon can be drawn over the top. 188. A
 - (A) Frequency

- (B) Histogram
- (C) Cumulative Frequency
- (D) Rectangle



- 189. If 100 persons can finish a work in 7 days, how many persons can finish the same work 35 days?
 - (A) 20 persons

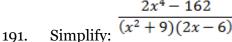
(B) 50 persons

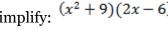
(C) 30 persons

(D) 25 persons



- 190. What is the 21st term of the sequence 100, 95, 90, 85.....?
 - (A) 10
- (B) 20
- (C) o
- (D)₅









(C)
$$x + 6$$

(D)
$$x - 6$$

- 192. Who was the first ruler in the Chola-Chalukya line?
 - (A) Raja Raja II

- (B) Vikrama chola
- (C) Kulothunga I

(D) Adhi Rajendran



- 193. The Vaikam Satyagraha arose in Kerala in the year
 - (A) 1918
- (B) 1924
- (C) 1913
- (D) 1928



- 194. Periyar incorporated the ideas of the justice party and formed a new party called
 - (A) Dravida Kazhagam
 - (B) Dravida Munnetra Kazhagam



- (C) Swantara party
- (D) Anna Dravida Munnetra Kazhagam
- 195. Which one of the following changes was not called by the Gandhian model and growth in the **Indian Planning System?**
 - (A) To replace production oriented planning with employment oriented planning



- (B) To replace employment oriented planning with the production oriented planning
- (C) It is in favour of small scale and cottage industries
- (D) It is against large scale industries producing consumer goods
- 196. The word 'Secularism' was inserted in the preamble of the constitution after supreme court of India observed 'Secularism' was a basic feature of constitution in
 - (A) 1975
- (B) 1973
- (C) 1976
- (D) 1981



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197.	Which of the following objectives regarding Skill India Mission is incorrect? (A) Its objective is to achieve skilling of the youth across the country (B) Its aim is to remove financial constraints in accessing skill training programmes								
		ssion, loans from Rs.	50,000 to 1.5 lakh will	~ -	_				
	(D) The tagline	e of this mission is	Kaushal Bharat						
198.	Which country physicists created a new form of Hydrogen? (Negatively charged hydrogen cluster)								
	(A) India	(B) Austria	(C) Australia	(D) Chir	na				
199.		alai Award given to		e year 2017.					
	(A) Poet Muth	_	3) Poet Vairamuthu						
	(C) Poet Vali	(I	O) Poet Vijay						
200.	What percentage Act?	of downtrodden stud	ents entrolment in priv	rate schools	as per Right to Education				
	(A) 25	(B) 26	(C) 27	(D) 28	\bigcirc				
		NETR/	CCESS GUARANTEED O 9001: 2015						
		10							

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