101. Among the following statements which of them is/are found to be wrong?

1. Iron is highly malleable and ductile.
2. Gold is highly malleable and ductile.
3. Lithium is the lightest metal.

(A) 2 and 3  
(B) 1 only  
(C) 2 only  
(D) 1, 2 and 3

102. Match the List I with List II correctly and select your answer using the codes given below

List I – State  
(a) Andhra Pradesh 
(b) Jharkhand 
(c) Maharashtra 
(d) Tamil Nadu

List II – Tourist Centre  
1. Ajantha, Ellora 
2. Chithana Vasal 
3. Chandrapura Birds Sanctuary 
4. Golconda Fort

Codes:  

<table>
<thead>
<tr>
<th></th>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
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<tbody>
<tr>
<td>(A)</td>
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<td>(C)</td>
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<tr>
<td>(D)</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

Answer:  

(A) 2 4 1 3  
(B) 1  
(C) 2  
(D) 1, 2 3
104. Which one of the following is correctly matched?

(A) Troposphere  (i) ions are found
(B) Stratosphere  (ii) conducive for airplanes to fly
(C) Mesosphere  (iii) weather patterns
(D) Thermosphere  (iv) protects the earth from falling meteors

105. Assertion (A): Lightning flash is seen first and thunder sound is heard next.

Reason (R): Light travels million times faster than sound.

(A) Both (A) and (R) are true and (R) is the correct explanation of (A)
(B) Both (A) and (R) are true and (R) is not the correct explanation of (A)
(C) (A) is true but (R) is false
(D) (A) is false but (R) is true
106. Select the appropriate pairs of words:

(a) Cutting – Hibiscus
(b) Layering – Jasmine
(c) Grafting – Mango
(d) Yeast – Fragmentation
(e) Comidia – Mucor

(A) (a), (b), (c) - correct
(B) (b), (c), (d), (e) - correct
(C) (c), (d), (e) - correct
(D) (a), (b), (c), (d) - correct

107. The electrical appliances of our home are all connected in a —— circuit.

(A) parallel
(B) series
(C) either parallel or series
(D) parallel and series alternatively

(A) 
(B) 
(C) 
(D)
108. Every Bank has to keep certain minimum cash balance with R.B.I. is called

(A) Variable Reserve Ratio
(B) Cash Reserve Ratio
(C) Cash Discount Ratio
(D) Trade Discount Ratio

109. The Duty levied while transporting goods from state to state

(A) Export duty
(B) Octroi duty
(C) Customs duty
(D) Import duty

110. In Tamilnadu the centre for Stem Cell Research is located at

(A) Chennai
(B) Coimbatore
(C) Vellore
(D) Madurai
111. Consider the following statements:

**Assertion**: The term “Lemuria” was first used by plater

**Reason**: A submerged continent (Lemuria) where Tamils survived in pre-historic age

Now select your answer according to the codes below:

(A) Both (A) and (R) are true and (R) is the correct explanation of (A)
(B) Both (A) and (R) are true but (R) is not the correct explanation of (A)
(C) (A) is true but (R) is false
(D) (A) is false but (R) is true

112. Which one of the following is correctly matched?

Officers of Village Administration in Epic Age called

(a) Dasagrami 1. 100 Villages
(b) Vinsatipa 2. 10 Villages
(c) Satagrami 3. 20 Villages
(d) Adhipati 4. 1000 Villages

(A) 3 4 1 2
(B) 2 3 1 4
(C) 1 3 2 4
(D) 4 1 2 3
113. “Inam Ennum Eemap Punaiyaich Suduvathu – Ethu”?

(A) Sinam  
(B) Dhanam  
(C) Pakai  
(D) Nakai

114. Who is the first grammarian in Sanskrit language?

(A) Vaalmeeeki  
(B) Viyaasar  
(C) Thandi  
(D) Paanini

115. Classify the ‘Ettuthokai, Noolkal’ in number as Akam, Puram and Akapuram

(A) 3 : 3 : 2  
(B) 5 : 2 : 1  
(C) 6 : 1 : 1  
(D) 4 : 4 : 0

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116. Choose the correct ones:

The traditional Thanjavur Doll automatically rights itself even after it is pushed and tilted around

(1) It has a very low center of gravity
(2) It has a rounded base
(3) It has high center of gravity
(4) It has a flat base

(A) Both 1 and 2 are correct  (B) Both 2 and 4 are correct
(C) Both 3 and 4 are correct  (D) Both 1 and 2 are false

117. Which one of the following statement is incorrect regarding nuclear fission?

(A) It is a chain-reaction
(B) Performed under controlled conditions
(C) It takes place at a very high temperature
(D) Neutrons are emitted during the reaction
118. Which is the correct statement?

I. Rainfall varies from place to place and time to time. It is thus the season occur.
II. Temperature varies from place to place and time to time. It is thus the season occur.
III. Climate varies from place to place and time to time. It is thus the season occur.

(A) I only
(B) II only
(C) III only
(D) I and II only

119. Choose the correct answer:

Reason for 70% of coral reefs killed in Lakshadweep and Andaman islands.

(A) Global warming
(B) Acid rain
(C) Ozone layer depletion
(D) Smog
120. Which one of the following is not permanent member of security council?
(A) U.S.A.  (B) India  
(C) France  (D) U.K.

121. Who was the Pioneer of Ballad in Tamil?
(A) Ortskuthar  (B) Irattai Pulavar
(C) Kalamgea Pulavar  (D) Pugazenthi Pulavar

122. Match the following in correct answer:
(a) 07  (b) 10  (c) 18  (d) 63

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<td>1</td>
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<td>4</td>
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</tbody>
</table>

1. Periya Puranam  
2. Kalampagam  
3. Ula  
4. Pillai Tamil
123. Which of the following statement is not correct?

(A) Metals are malleable and ductile
(B) Metals are good conductors of heat and electricity
(C) Metals are non-sorous
(D) Metals are hard with high melting points

124. Match the following correctly:

Column A                  Column B
(a) Chloroplast           1. Nucleus
(b) Chromoplast           2. Tubers
(c) Leucoplast            3. Leaves
(d) Lysosome              4. Flowers, fruits
(e) Chromatin reticulum   5. Suicidal bags

(A) 3 4 2 5 1
(B) 3 2 5 1 4
(C) 3 5 1 2 4
(D) 5 1 3 4 2

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125. The life span of human thrombocyte is ________ days/weeks.

(A) 5 – 9 days  
(B) 2 – 3 weeks  
(C) 5 – 9 weeks  
(D) 2 – 3 days

126. Consider the following statements:

(a) During respiration, oxygen is taken in and carbon dioxide is given out.
(b) All the organisms are aerobes.

Of these

(A) (a) alone is correct  
(B) (b) alone is correct  
(C) both are correct  
(D) both are wrong

127. Biological control of mosquito larvae can be done by

(A) Compusea and lepister fishes  
(B) Earthworm  
(C) Snails  
(D) Thripia
128. Match List I and II correctly and select your answer using the codes given below.

<table>
<thead>
<tr>
<th>List I (Country)</th>
<th>List II (Parliament)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) England</td>
<td>1. Federal Assembly</td>
</tr>
<tr>
<td>(b) America</td>
<td>2. Parliament</td>
</tr>
<tr>
<td>(c) Japan</td>
<td>3. Congress</td>
</tr>
<tr>
<td>(d) Switzerland</td>
<td>4. Diet</td>
</tr>
</tbody>
</table>

Codes:

<table>
<thead>
<tr>
<th>(a)</th>
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<td>(C)</td>
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<tr>
<td>(D)</td>
<td>4</td>
<td>2</td>
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</tbody>
</table>

(a) England (b) America (c) Japan (d) Switzerland

Codes:

<table>
<thead>
<tr>
<th>(a)</th>
<th>(b)</th>
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<tr>
<td>(C)</td>
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<td>1</td>
</tr>
<tr>
<td>(D)</td>
<td>4</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

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129. Match the following:

(a) Resumption of rent free tenure  1. Lord Wellesley
(b) General services enlistment Act  2. Lord Dalhousie
(c) Subsidiary Treaties  3. Lord Bentinck
131. Which one of the following texts shows us that “Sati” was practiced by the Aryans?

(a) Rig Veda
(b) Yajur Veda
(c) Sama Veda
(d) Atharva Veda

(A) a (B) b (C) c (D) d
132. Identify the place where coral reefs are found in Tamilnadu

(A) Gulf of Kutch (B) Gulf of Mannar
(C) Lakshdweep (D) Nicobar island

133. “Karpukkadam Poonda Jiththeivam Allathu Porputaith Theivam Yaam Kandilamaal” – Who is referred in these lines?

(A) Seethai (B) Kannagi
(C) Madhavi (D) Manimegalai

134. ‘Vezham, Pidi, Vengai, ey’ –

Choose the correct equivalent parallel meanings of these nouns.

(A) Singam, Yaanai, Puli, Veesuthal
(B) Yaanai, Kaipatruthal, Puli, Adaithal
(C) Yaanai, Penyaanai, Puli, Mullam Pantri
(D) Vetri, Yaanai, Puli, Peruthal
135. Genetic Engineering is employed in the production of

I. Hormones
II. Enzymes
III. Interferon
IV. Monoclonal antibodies

(A) I and II are correct
(B) II and III are correct
(C) I, II and IV are correct
(D) I, II, III and IV are correct

136. The percentage of Gold in 24-carat gold is

(A) 75%
(B) 100%
(C) 91.6%
(D) 50%

24 சர்க்கையின் 24 காரையில் உள்ள சர்க்காகையின் பிரதேசம் என்பது
137. Match the List I with List II and select the correct answer using the code given below the list:

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Venus</td>
<td>1. Ringed planet</td>
</tr>
<tr>
<td>(b) Saturn</td>
<td>2. Red planet</td>
</tr>
<tr>
<td>(c) Uranus</td>
<td>3. Spins slowly backward</td>
</tr>
<tr>
<td>(d) Mars</td>
<td>4. Rolling planet</td>
</tr>
</tbody>
</table>

(a) (b) (c) (d)

(A) 3 1 4 2
(B) 3 1 2 4
(C) 1 3 2 4
(D) 2 4 1 3
138. Read the following statements and choose the correct answer:

1. The Neolithic period is followed by Chalcolithic period when Copper and Bronze came to be used.
2. The new technology of smelting metal ore is an important development.

(A) 1 and 2 are correct
(B) 1 is correct and 2 is incorrect
(C) 1 and 2 are incorrect
(D) 1 is incorrect and 2 is correct

1. புகல் தொட்டியைப் பயன் செய்து குள்ளப் பொருட்கள் நேரடைத்தன. ஒலி, பிண்ணச்சுவே, நெல்லாகணல்பைக்

2. குள்ளப் பொருட்கள் வளர்ந்து இடவிடும் வல்லுனரின் தொடர்ச்சியின் முதல் பாதை

(A) 1 மற்றும் 2 சிறப்பாக செய்யப்பட்டது
(B) 1 மற்றும் 2 சிறப்பாக செய்யப்பட்டது
(C) 1 மற்றும் 2 சிறப்பாக செய்யப்பட்டது
(D) 1 மற்றும் 2 சிறப்பாக செய்யப்பட்டது

139. Match List I with List II and select the correct answer using the codes given below the list.

<table>
<thead>
<tr>
<th>List I – Rivers</th>
<th>List II – Water Falls</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Caunery</td>
<td>1. Yenna</td>
</tr>
<tr>
<td>(b) Sharavati</td>
<td>2. Sivasamudram</td>
</tr>
<tr>
<td>(c) Mahabaleswar</td>
<td>3. Dhuandhar</td>
</tr>
<tr>
<td>(d) Narmada</td>
<td>4. Jog</td>
</tr>
</tbody>
</table>

(a) 2 4 1 3
(b) 4 3 2 1
(c) 3 2 4 1
(d) 1 3 2 4

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140. Which one of the following is a “Pathu Pattu” Book?

<table>
<thead>
<tr>
<th>Option</th>
<th>Book</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>Pathirtru Pathu</td>
</tr>
<tr>
<td>(B)</td>
<td>Paripadal</td>
</tr>
<tr>
<td>(C)</td>
<td>Patina Palai</td>
</tr>
<tr>
<td>(D)</td>
<td>Puramanuru</td>
</tr>
</tbody>
</table>

141. How many varieties of flowers are mentioned in “Kurinjipattu”?  

<table>
<thead>
<tr>
<th>Option</th>
<th>Varieties</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>96</td>
</tr>
<tr>
<td>(B)</td>
<td>92</td>
</tr>
<tr>
<td>(C)</td>
<td>99</td>
</tr>
<tr>
<td>(D)</td>
<td>90</td>
</tr>
</tbody>
</table>
142. Which Epic was written with the worship of nature in the beginning?

(A) Valaiyapathi  
(B) Seevaga Cinthamani

(C) Silappathikaram  
(D) Mani Megalai

143. Where is 'Prakuk' language spoken?

(A) Tamilnadu  
(B) Balusisthanam

(C) Rajmahal  
(D) Bihar

144. Assertion (A) : X-rays are not deflected by electric and magnetic fields.

Reason (R) : X-rays do not have charged particles.

(A) (A) is correct (R) is wrong  
(B) (A) is wrong (R) is correct

(C) (A) and (R) are wrong  
(D) (A) and (R) are correct
145. Match List I with List II correctly and select your answer using the codes given below:

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Amoeba</td>
<td>1. spores</td>
</tr>
<tr>
<td>(b) Paramaecium</td>
<td>2. flagellum</td>
</tr>
<tr>
<td>(c) Euglena</td>
<td>3. pseudopodia</td>
</tr>
<tr>
<td>(d) Plasmodium</td>
<td>4. cilia</td>
</tr>
</tbody>
</table>

(a) 3 4 2 1  
(B) 4 3 1 2  
(C) 1 2 3 4  
(D) 4 2 1 3
146. Match the organs of UNO with their relative fields:

<table>
<thead>
<tr>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>UNIFEM</td>
<td>IAEA</td>
<td>UNFPA</td>
<td>FAO</td>
<td></td>
</tr>
</tbody>
</table>

(a) 2 3 4 1  
(B) 3 4 2 1  
(C) 2 1 3 4  
(D) 2 1 4 3
147. The highest inflow of Foreign Direct Investment of India (FDI) comes from

(A) USA  (B) UK
(C) Singapore  (D) Mauritius

148. Which one of the following statement is wrong?

(A) Great revolt took place during the period of Lord Canning
(B) Census was taken during the period of Lord Rippon
(C) Great Famine took place during the period of Lord Litton
(D) First World War took place during the period of Lord Karzon

149. Which one of the following is correctly matched?

(a) Amarasimman  1. Chinese Pilgrimage
(b) Varaga Battar  2. Ayur Vedha
(c) Dhanvanthiri  3. Dictionary
(d) Fahiyin  4. Sun, Earth

<table>
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<tr>
<th>(a)</th>
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<td>4</td>
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<tr>
<td>3</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>
150. Which one of the following is correctly matched?

1. Lion of Punjab – Lokamanyar
2. Swadeshi Movement – A.O. Hume
3. Bharathamatha Association – Nilakanta Bramachari
4. Home Rule Movement – W.C. Bannerjee

(a) 1  (b) 2  (c) 3  (d) 4

151. Which one of the following is correctly matched?

1. British India Pensions – Calcutta Pensions
2. Rani of Jhansi – A.O. Hume
3. Purbashastra Sabha – H.C. राजकीय
4. Swadeshi Sabha – W.C. Bannerjee

(a) 1  (b) 2  (c) 3  (d) 4
151. Consider the following statements:

1. H\(^+\) ion concentration is 0.001 \(\text{m}\) and pH value 3.
2. H\(^+\) ion concentration is 0.01 \(\text{m}\) and pH value 1.

Which one of the statements given above is/are wrong?

(A) (1) only  
(B) (2) only  
(C) Both (1) and (2)  
(D) Neither (1) nor (2)

152. Match the following:

(a) Mahatma Gandhi  
(b) Jawaharlal Nehru  
(c) Thomas Moore  
(d) Dr. M. Varadharajan

<table>
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<tr>
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<td>(B)</td>
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<td>(C)</td>
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<td>4</td>
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<tr>
<td>(D)</td>
<td>4</td>
<td>3</td>
<td>1</td>
<td>2</td>
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</tbody>
</table>
153. What is the use of Remote sensing satellites?
   I. To guide ships.
   II. Estimation of crop yields.
   III. Used for radio and television.
   IV. To measure clouds.
   (A) I and IV are correct
   (B) II is only correct
   (C) III and IV are correct
   (D) IV is only correct

154. Which of the following four major emerging economies called ‘BRIC’?
   (A) Brazil, Russia, Indonesia, China
   (B) Brazil, Russia, India, China
   (C) Brazil, Rumania, India, China
   (D) Bangladesh, Russia, India, China
155. Antibodies collected from different organisms are used to get _______ type of immunity.

(A) Artificial, Active immunity  (B) Artificial, Passive immunity
(C) Natural, Active immunity  (D) Natural, Passive immunity

156. Which one of the following vegetation is mostly found in the plateau regions of India?

I. Hill vegetation
II. Deciduous vegetation
III. Desert vegetation
IV. Sunderbans

(A) I only  (B) II only
(C) III only  (D) Both I and II
157. Indian Citizenship is acquired by

(A) Birth and Registration
(B) Nationalization and incorporation of a territory
(C) Only by descent

(\text{\textcolor{red}{\checkmark}}) All are correct

158. Match List I with List II correctly and select your answer using the codes given below:

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Phodou</td>
<td>1. Jammu and Kashmir</td>
</tr>
<tr>
<td>(b) Dhokri</td>
<td>2. Bihar</td>
</tr>
<tr>
<td>(c) Konkani</td>
<td>3. Assam</td>
</tr>
<tr>
<td>(d) Mythili</td>
<td>4. Goa</td>
</tr>
</tbody>
</table>

(A) 2 3 1 4

(\text{\textcolor{red}{\checkmark}}) 3 1 4 2

(C) 1 2 4 3

(D) 4 3 2 1
159. "Nerarum Kadaludutha Nelamadanthai Ezilozigum" – Which one of the following books contain these Tamilthai Vazthu Padal?

(A) Thirukkural  
(B) Tholkappiyam  
(C) Panchali Sapatham  
(D) Manon Maniyam

160. Which one of the following events connected with 1857 revolt is correctly matched?

1. Proclaimed as the Emperor of India during the revolt 1857 – Bahadur Shah II  
2. Kanpur was recaptured by – Commander Johnson  
3. Hanged on charges of Rebellion – Rani Lakshmi Bai  
4. One of the lieutenants of Begums of Oudh – Tantia Tope

(A) 1  
(B) 2  
(C) 3  
(D) 4
161. Which one of the following pair is correctly matched?

I. Saranath – Buddha's birth place
II. Lumbini – Buddha got enlightenment
III. Bodh Gaya – First Sermon
IV. Kusi Nagar – Buddha's death place

(A) I
(B) II
(C) III
(D) IV
162. Consider the following table:

<table>
<thead>
<tr>
<th>Year</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales (crores)</td>
<td>15</td>
<td>25</td>
<td>32</td>
<td>54</td>
</tr>
</tbody>
</table>

The year in which the sales registered a sharp increase over that of the preceding year is
(A) 2008   (B) 2009   (C) 2010   (D) 2011

163. In an examination for every correct answer 2 marks are awarded for every wrong answer \( \frac{1}{2} \) mark is reduced. If a student answers all 120 questions and secures 45 marks then the no. of correct answered questions is

(A) 45   (B) 42   (C) 36   (D) 38

164. Bio-chemically significant enzymes are derived from ————.

(A) macrobes   (B) microbes   (C) insulin   (D) protein

(C) microbes   (D) protein

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[Turn over
165. 
(A) 4  (B) 7  
(C) 9  (D) 3

166. Choose the correct order of hierarchy in the classification of animals:

(A) Class – genus – species – order  (B) Order – species – class – genus  
(C) Class – order – genus – species  (D) Species – class – genus – order  

167. Right atrium of our heart receives blood from ——— blood vessel.

(A) pulmonary vein  (B) vena cavae  
(C) aorta  (D) pulmonary trunk  

(A) atriium  (B) άττιον  
(C)  (D)  

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168. Colloids play an important role in our daily life. Identify the colloid in which liquid is dispersed in solid.

(A) Curd
(B) Indian ink
(C) Milk
(D) Paint

169. The largest tropical Savanna grass land are seen in

(A) Australia
(B) Africa
(C) Asia
(D) America

170. The chairman of the union public service commission is appointed by

(A) The President
(B) The Prime Minister
(C) The Chief Minister
(D) The Governor
171. Which one of the following is not considered as a method of calculating National Income?
(A) Product method  
(B) Income method
(C) Budget method  
(D) Expenditure method

172. Match the following Indian towns with their Industrial product.
(a) Ahmedabad  
(b) Kolkata  
(c) Darjeeling  
(d) Firoza bad

(a) 1. Tea Processing  
(b) 2. Cotton Textile Industry  
(c) 3. Glass Industry  
(d) 4. Jute Industry

(A) 4 3 2 1  
(B) 3 4 1 2  
(C) 2 1 3 4  
(D) 2 4 1 3
173. A hemisphere and cone have equal bases and equal height. Then their volumes be in the ratio

(A) 2 : 1  
(B) 1 : 2  
(C) 3 : 2  
(D) 2 : 3

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

<table>
<thead>
<tr>
<th>List I</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Horn silver</td>
<td>1. MgCO₃.CaCO₃</td>
</tr>
<tr>
<td>(b) Argentite</td>
<td>2. AgCl</td>
</tr>
<tr>
<td>(c) Bauxite</td>
<td>3. Ag₂S</td>
</tr>
<tr>
<td>(d) Dolomite</td>
<td>4. Al₂O₃.2H₂O</td>
</tr>
</tbody>
</table>

Codes:

(A) 2  4  1  3  
(B) 2  3  4  1  
(C) 3  2  4  1  
(D) 3  1  2  4
175. Which one of the following is correctly matched?

(A) International Atomic Energy Agency : Geneva
(B) International Labour Organisation : Madrid, Spain
(C) United Nations University : Japan
(D) World Tourism Organisation : Vienna

176. Energy is stored as which molecule in mitochondria so that it is known as 'Energy Currency' of the cell

I. Glucose
II. Proteins
III. ATP
IV. ADP

(A) I and II  (B) Only III
(C) Only IV  (D) III and IV
177. Which one of the following districts where natural gas is available in Tamil Nadu?

(A) Trichy        (B) Salem
(C) Dharmapuri    (D) Tanjore

தமிழ்நாட்டில் உள்ள பெருந்தொட்டியை வந்துள்ள தாவரவான் மீது எத்தனைத் தொடர்கிறது?

(A) திருச்சிணை (B) செலம்
(C) சரமபுரி (D) தஞ்சை

178. Island's of Pacific Ocean is called as “Ring of Fire” because –

Consider the statements

I. Volcanic island's are in large numbers.
II. Majority of volcanoes are active.

Select the correct answer using the given codes :

(A) I only        (B) II only
(C) Both I and II (D) Neither I nor II

பசிபிய பிரேசிய கிளையில் காணப்படும் “ரிங் ஓப் ஫ைர்” எனப்படும் கிளையில்

I. சிற்றுயர்வுவாய்ப்பாக இருந்து முந்திய வாய்ப்பாடு காணப்படும்.
II. பெரும்பான்மையான சிற்றுயர்வு வாய்ப்பாடும் காணப்படும்.

சீர்கற்களின் வாய்ப்பாடுகள் தொட்டியைப் பயன்படுத்தி நீளமாக உள்ளவால் என்னும்:

(A) I மட்டும்        (B) II மட்டும்
(C) I மட்டும் II    (D) I மட்டும் இல்லை II

(A) Goods and services relating to private sector only
(B) Goods and services relating to public sector only
(C) Goods and services relating to private public and cooperative sector
(D) Goods and services relating to Government only

180. Match List I with List II:

<table>
<thead>
<tr>
<th>List I – States</th>
<th>List II – Number of State Assembly Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Andhra Pradesh</td>
<td>1. 140</td>
</tr>
<tr>
<td>(b) Karnataka</td>
<td>2. 234</td>
</tr>
<tr>
<td>(c) Tamil Nadu</td>
<td>3. 224</td>
</tr>
<tr>
<td>(d) Kerala</td>
<td>4. 294</td>
</tr>
</tbody>
</table>

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

179. விளக்கக்குறிகள் பார்வை செய்து 1986. இக்குருமணத்தின்

(A) மண்டலம் விளக்கங்கள் மற்றும் வளர்ச்சியில் விளக்கங்கள்
(B) வேளாளர் விளக்கங்கள் மற்றும் வளர்ச்சியில் விளக்கங்கள்
(C) வேளாளர் மற்றும் விளக்கங்கள் மற்றும் வளர்ச்சியில் விளக்கங்கள்
(D) குழுவாளர் மற்றும் விளக்கங்கள் மற்றும் வளர்ச்சியில்

180. பல்லவ கோட்டங்கள் போற்றுவதற்கு:

<table>
<thead>
<tr>
<th>பல்லவ கோட்டங்கள்</th>
<th>கோட்டங்கள் கோட்டங்கள் கோட்டங்கள் கோட்டங்கள்</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) அத்தியாயினர் போற்று விளக்கங்கள்</td>
<td>1. 140</td>
</tr>
<tr>
<td>(b) கூற்று விளக்கங்கள்</td>
<td>2. 234</td>
</tr>
<tr>
<td>(c) செயல்பாட்டு விளக்கங்கள்</td>
<td>3. 224</td>
</tr>
<tr>
<td>(d) உலகச் செயல்பாட்டு விளக்கங்கள்</td>
<td>4. 294</td>
</tr>
</tbody>
</table>

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

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181. Match the following:

(a) Agro based industry  1. Iron and Steel industry
(b) Forest based industry  2. Television
(c) Mineral based industry  3. Paper industry
(d) Electronic industry  4. Cotton textile industry

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

182. Which one of the following articles prohibits the employment of children below the age of 14 in any factory or mine?

(A) Article 23  (B) Article 24
(C) Article 21 A  (D) Article 64

(A) கைதி 23  (B) கைதி 24
(C) கைதி 21 A  (D) கைதி 64
183. Match List I with List II correctly and select your answer using the codes given below :

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Pyrometer</td>
<td>1. Pressure of gases</td>
</tr>
<tr>
<td>(b) Lactometer</td>
<td>2. High temperature</td>
</tr>
<tr>
<td>(c) Manometer</td>
<td>3. Intensity of light</td>
</tr>
<tr>
<td>(d) Photometer</td>
<td>4. Density of milk</td>
</tr>
</tbody>
</table>

Codes:

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>4</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>(B)</td>
<td>2</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>(C)</td>
<td>2</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>(D)</td>
<td>3</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

184. The price of a commodity becomes 16 times in a period of 4 years. The percentage increase per year is

(A) 100
(B) 40
(C) 60
(D) 20
185. Green House effect is due to increase in
   I. Carbon-di-oxide
   II. Nitrous oxide
   III. Methane
   IV. Sulphur-di-oxide

   (A) I is correct       (B) I and II correct
   (C) I, II and III correct    (D) All are correct

186. Optical fibres are used as medium for telecommunications. It is made from

   (A) dispersion glass       (B) Nylon fibre
   (C) Thin copper wire       (D) Plastic wire
187. Match Column A with Column B.

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Formic acid</td>
<td>1. Vinegar</td>
</tr>
<tr>
<td>(b) Acetic acid</td>
<td>2. Butter</td>
</tr>
<tr>
<td>(c) Lactic acid</td>
<td>3. Red ant</td>
</tr>
<tr>
<td>(d) Butyric acid</td>
<td>4. Milk</td>
</tr>
</tbody>
</table>

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

188. Match List I and II correctly and select your answer using the codes given below:

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) De-Broglie</td>
<td>1. E = mc^2</td>
</tr>
<tr>
<td>(b) Heisenberg</td>
<td>2. Atomic theory</td>
</tr>
<tr>
<td>(c) Einstein</td>
<td>3. Wave nature of particles</td>
</tr>
<tr>
<td>(d) Dalton</td>
<td>4. ( \Delta H \Delta P \geq \frac{h}{4\pi} )</td>
</tr>
</tbody>
</table>

(A) 2 3 1 4
(B) 2 1 3 4
(C) 3 4 1 2
(D) 3 4 2 1
189. Which of the following is incorrectly matched?

(A) Rusting – Ferrous ion to ferric ion
(B) Decarboxylation – Removal of acid group
(C) Combustion – Addition of hydrogen
(D) Fermentation – Glucose to ethanol

190. Inflation denotes the following situation

(A) Price level rises – money value falls
(B) Price level rises – money value rises
(C) Price level falls – money value falls
(D) Price level falls – money value rises
191. Which metal will melt on palm of the hand?

(A) Mercury  (B) Gold
(C) Gallium  (D) Silver

192. Which one of the following rocks belongs to Sedimentary Rock?

(A) Basalt
(B) Limestone
(C) Marble
(D) Slate

193. In the adjoining figure the arcs \( BD \), have \( A \) and \( C \) as centres. Find the area of shaded portions.

\[
\text{Area of shaded portion: 72}
\]
194. Consider the following statements:

Assertion (A): There are more female terracotta figurines than those of male in Indus Valley Civilization.

Reason (R): Women enjoyed a superior position in the Harappan age.

(A) Both (A) and (R) are true and (R) is the correct explanation for (A)
(B) Both (A) and (R) are true and (R) is not the correct explanation for (A)
(C) (A) is true, (R) is false
(D) (A) is false, (R) is true
195. Match List I and List II correctly and select your answer using the codes given below:

List I
(a) Bauxite
(b) Galena
(c) Pitch Blende
(d) Rutile

List II
1. Uranium
2. Titanium
3. Aluminium
4. Lead

Codes:

(a) (b) (c) (d)
(A) 3 4 2 1
(B) 3 4 1 2
(C) 4 3 1 2
(D) 2 1 4 3
196. Match List I with List II correctly and select your answer using the codes given below:

(a) Service to Poor is service to God  1. Sri Narayana Guru
(b) Suddhi Movement  2. Ramalinga Vallalar
(c) Jeeva Karunya  3. Vivekanandar
(d) Dharma Paribalana Yogam  4. Swami Dhayananda Saraswathi

1. 2 3 1 4
2. 2 4 1 3
3. 3 4 2 1
4. 3 2 1 4

197. Which one of the following is correctly matched?

1. Atmiya Sabha – Olcott
2. Young Bengal Movement – Raja Ram Mohan Roy
3. Nirankari Movement – Henry Vivian Derozio
4. Ghader Party – Lala Har Dyal

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

1. Atmiya Sabha – Olcott
2. Young Bengal Movement – Raja Ram Mohan Roy
3. Nirankari Movement – Henry Vivian Derozio
4. Ghader Party – Lala Har Dyal

(A) 1  (B) 2
(C) 3  (D) 4
198. Who has written the Drama “Thanneer Thanneer”?

(A) Komal Swaminathan

(B) Bala Chandar

(C) Anna Durai

(D) Pammal Sambantha Mudaliyar

199. Match List I with List II correctly and select your answer using the codes given below:

List I

(a) Veerama munivar

(b) Kalduveel

(c) G.U. Pope

(d) Soegan Palku Iyer

List II

1. Achupani

2. Sathuragarathi

3. Oppilakkanam

4. Translation of Tirukkural

(a) 2 3 4 1

(b) 1 3 4 2

(c) 3 4 1 2

(d) 2 4 3 1

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பண்டைய I-ஆம் பண்டைய II-ஆம் பண்டையிலும், முதல் கோட்டைக்கு போன இல்லாதென்று கேள்விக் கேடுகள் திருப்பதற்க์ விளக்கமாகவுள்ளது:

பண்டைய I

(a) இலங்காசுரீசு
(b) காலாசுரீசு
(c) வில்குராப்பு
(d) இலங்கா பொருளாதார

பண்டைய II

1. வரிசைப்பிற
2. குறைந்தி
3. குடிபெருடா
4. சிறுகுழா மலர்பொருள்

(a) (b) (c) (d)

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

200. Where in Tamilnadu, a bench of the Madras High Court is situated?

(A) Chennai
(B) Coimbatore
(C) Trichy

(D) Madurai

(வண்டியவல்லு, மாட்ராஸ் ஹைகோர் தேசிய வேலைக்கு விளக்கமா்தென்று கேட்டல் வேள் கேட்டுபப்பொருள்பானவேன்?

(A) சென்னை
(B) கொம்பைடை
(C) திருச்சின்

(D) மதுரை)