

**\* Due to technical mistake in the Provisional Key for the Concerned Subject ( Advt No : 13 / 2020-2021 , Chief Industrial Advisor, Class-1 ) Published on Date. 05-04-2021 is revised and Republished here with.**

**\* The Objections if any for answer to the Que.101-300 can be raised during the prescribed time limit through Online Objection System**

# ASF [ REVISED FOR CONCERNED SUBJECT ]

## PROVISIONAL ANSWER KEY [CBRT]

Name of the post	Chief Industrial Advisor, Class-1, Industries and Mines, Class-1
Advertisement No.	13/2020-21
Preliminary Test held on	04-04-2021
Question No.	101 - 300 ( Concerned subject )
Publish Date	27-04-2021
Last Date to Send Suggestion(s)	04-05-2021

### Instructions / સૂચન

**Candidate must ensure compliance to the instructions mentioned below, else objections shall not be considered: -**

- (1) All the suggestion should be submitted through **ONLINE OBJECTION SUBMISSION SYSTEM** only. Physical submission of suggestions will not be considered.
- (2) Question wise suggestion to be submitted in the prescribed format (proforma) published on the website / online objection submission system.
- (3) All suggestions are to be submitted with reference to the Master Question Paper with provisional answer key (Master Question Paper), published herewith on the website / online objection submission system. Objections should be sent referring to the Question, Question No. & options of the Master Question Paper.
- (4) Suggestions regarding question nos. and options other than provisional answer key (Master Question Paper) shall not be considered.
- (5) Objections and answers suggested by the candidate should be in compliance with the responses given by him in his answer sheet. Objections shall not be considered, in case, if responses given in the answer sheet /response sheet and submitted suggestions are differed.
- (6) Objection for each question should be made on separate sheet. Objection for more than one question in single sheet shall not be considered.

**ઉમેદવારે નીચેની સૂચનાઓનું પાલન કરવાની તકેદારી રાખવી, અન્યથા વાંધા-સૂચન અંગે કરેલ રજૂઆતો ધ્યાને લેવાશે નહીં**

- (1) ઉમેદવારે વાંધા-સૂચનો ફક્ત ઓનલાઇન ઓબ્જેક્શન સબમીશન સીસ્ટમ દ્વારા જ સબમીટ કરવાના રહેશે. રૂબરૂ અથવા ટપાલ દ્વારા આયોગની કચેરીએ મોકલવા આવેલ વાંધા-સૂચનો ધ્યાને લેવામા આવશે નહીં જેની ખાસ નોંધ લેવી.
- (2) ઉમેદવારે વાંધા-સૂચનો રજૂ કરવા વેબસાઇટ / ઓનલાઇન ઓબ્જેક્શન સબમીશન સીસ્ટમ પર પ્રસિધ્ધ થયેલ નિયત નમૂનાનો જ ઉપયોગ કરવો.
- (3) ઉમેદવારે પોતાને પરીક્ષામાં મળેલ પ્રશ્નપુસ્તિકામાં છપાયેલ પ્રશ્નક્રમાંક મુજબ વાંધા-સૂચનો રજૂ કરતા તમામ વાંધા-સૂચનો વેબસાઇટ પર પ્રસિધ્ધ થયેલ પ્રોવિઝનલ આન્સર કી (માસ્ટર પ્રશ્નપત્ર)ના પ્રશ્ન ક્રમાંક મુજબ અને તે સંદર્ભમાં રજૂ કરવા.
- (4) માસ્ટર પ્રશ્નપત્રમાં નિર્દિષ્ટ પ્રશ્ન અને વિકલ્પ સિવાયના વાંધા-સૂચનો ધ્યાને લેવામાં આવશે નહીં.
- (5) ઉમેદવારે પ્રશ્નના વિકલ્પ પર વાંધો રજૂ કરેલ છે અને વિકલ્પ રૂપે જે જવાબ સૂચવેલ છે એ જવાબ ઉમેદવારે પોતાની ઉત્તરવહીમાં આપેલ હોવો જોઈએ. ઉમેદવારે સૂચવેલ જવાબ અને ઉત્તરવહીનો જવાબ ભિન્ન હશે તો ઉમેદવારે રજૂ કરેલ વાંધા-સૂચનો ધ્યાનમા લેવાશે નહીં.
- (6) એક પ્રશ્ન માટે એક જ વાંધા-સૂચન પત્રક વાપરવું. એક જ વાંધા-સૂચનો પત્રકમાં એકથી વધારે પ્રશ્નોની રજૂઆત કરેલ હશે તો તે અંગેના વાંધા-સૂચનો ધ્યાને લેવાશે નહીં.

**Website link for online objection submission system : [http://150.129.165.5/GPSC\\_Suggestion/](http://150.129.165.5/GPSC_Suggestion/)**

101. Which of the following economic systems is based on *laissez faire*?  
 (A) Capitalism (B) Socialism  
 (C) Mixed Economic System (D) None of the above
102. Economic systems may be of three types: Capitalism, Socialism and Mixed Economic System. Which of the following is/are characteristic/characteristics of Capitalism?  
 (I) Private ownership of means of production  
 (II) Exploitation of labour  
 (III) Decisive role of economic planning  
 (A) Only (I) and (III) (B) Only (II) and (III)  
 (C) Only (I) and (II) (D) All of the above
103. In which of the economic systems does public sector play a supplementary role?  
 (A) Capitalism (B) Socialism  
 (C) Mixed Economic System (D) None of the above
104. W. Arthur Lewis distinguishes between planning by direction and planning through the market. Which of the following is/are true with regard to such panning?  
 (I) Planning by direction is an integral part of capitalist economy  
 (II) Planning through market is now being practiced only in socialist economies  
 (A) Only (I) is true (B) Only (II) is true  
 (C) Both (I) and (II) are true (D) Both (I) and (II) are untrue
105. Arrange the following economic systems according to the magnitude of concentration of economic power starting with the system having the highest concentration of economic power.  
 (I) Socialism  
 (II) Capitalism  
 (III) Mixed Economic System  
 (A) (I), (II), (III) (B) (II), (III), (I)  
 (C) (III), (II), (I) (D) (I), (III), (II)
106. Consider the following statements and choose the right option given below.  
 (I) A completely *laissez faire* economy has now become a relic of history  
 (II) The state now regulates economic activity even in the most advanced capitalist countries  
 (III) The need for state intervention in the capitalist economies arises from the *market failure*  
 (A) Only (I) and (III) are true (B) Only (II) and (III) are true  
 (C) Only (I) and (II) are true (D) All of the statements are true
107. On February 7, 2018 the Government of India approved a proposal to redefine micro, small and medium enterprises, based on their annual sales turnover. Which is/are true as per the new definition?  
 (I) Business with sales up to Rs.5 crore will be called micro enterprises  
 (II) Business with sales of Rs.5 crore to Rs.75 crore will be deemed small enterprises  
 (III) Businesses with sales of Rs.75 crore to Rs.250 crore will be classified as medium enterprises  
 (A) Only (I) and (II) are true (B) Only (II) and (III) are true  
 (C) Only (II) and (III) are true (D) All the above are true
108. When was the Micro, Small and Medium Enterprises Development Act enacted?  
 (A) in 2003 (B) in 2004  
 (C) in 2005 (D) in 2006

109. Which of the following is/are true with regard to registration of SSI units?  
 (I) Registration of SSI is done with the District Industries Centers  
 (II) For manufacturing SSI units, registration is mandatory under Sections 2m(i) and 2m(ii)  
 (A) Only (I) is true (B) Only (II) is true  
 (C) Both (I) and (II) are true (D) Both are untrue
110. Consider the following with regard to contribution of MSME in India and choose the right option given below.  
 (I) Share of MSME in India's Gross Value Added (GVA) declined between 2011-12 and 2016-17  
 (II) Share of MSME in India's GDP increased between 2011-12 and 2016-17  
 (A) Only (I) is true (B) Only (II) is true  
 (C) Both (I) and (II) are true (D) Both are untrue
111. SIDBI, in association with NCAER, conducted a study with regard to efficiency in SSI sector in 1999. Consider the following with regard to the study and choose the right option given below.  
 (I) According to the study, small scale industries, by investing only 7 per cent to 15 per cent of the total manufacturing sector's capital contributed to nearly one-fifth of the total industrial output  
 (II) Both labour productivity and capital productivity of the SSI sector grew faster than the large-scale industries during the study period 1980-94  
 (A) Only (I) is true (B) Only (II) is true  
 (C) Both (I) and (II) are true (D) Both are untrue
112. Consider the following with regard to cottage and small scale industries in India.  
 (I) Cottage Industries Board  
 (II) National Small Industries Corporation Ltd.  
 (III) Small Industries Development Organisation  
 (IV) District Industries Centre  
 Arrange the above according to the year of their introduction starting with the one introduced first.  
 (A) (I), (II), (III), (IV) (B) (IV), (III), (II), (I)  
 (C) (I), (III), (II), (IV) (D) (III), (II), (IV), (I)
113. Which of the following is not a function of SIDBI?  
 (A) Discounting and rediscounting of bills  
 (B) Extension of seed capital or soft loans  
 (C) Granting direct assistance and refinancing of loans  
 (D) Providing financial support to medium scale industries
114. The Government of India has initiated the Pradhan Mantri Mudra Yojana for development and refinancing activities relating to micro industrial units. What does Mudra stand for?  
 (A) Micro Units Development and Refinance Agency  
 (B) Micro Units Development and Reconstruction Agency  
 (C) Micro Units Disinvestment and Regaining Aspiration  
 (D) Micro Units Deprivation and Reconsideration Ambit
115. Which of the following is/are true with regard to Udyog Aadhaar Memorandum (UAM)?  
 (I) The UAM scheme was notified in September 2018  
 (II) A unique Udyog Aadhaar Number (UAN) is provided to MSME entrepreneurs through this scheme  
 (A) Only (I) is true (B) Only (II) is true  
 (C) Both (I) and (II) are true (D) Both are untrue

116. A scheme was launched on March 16, 2015 with the objective of setting up a network of technology centers and incubation centers to accelerate entrepreneurship and start-ups for innovation and entrepreneurship in rural and agriculture-based industry. Which scheme is it?  
 (A) SICDP  (B) ASPIRE  
 (C) PMMY  (D) NMCP
117. The Government of India has notified a Public Procurement Policy for goods and services rendered by Micro and Small Enterprises order 2012 effective from April 1, 2012. Which of the following is/are a mandate/mandates of the policy?  
 (I) All Central Ministries/Departments but not Central Public Sector Undertakings shall procure a minimum of 20 per cent of their annual value of goods/services required by them from MSEs  
 (II) The policy has earmarked a sub-target of 4 per cent procurement out of this 20 per cent from MSEs owned by scheduled caste/scheduled tribe entrepreneurs  
 (A) Only (I) is true  (B) Only (II) is true  
 (C) Both (I) and (II) are true  (D) Both are untrue
118. Arrange the following schemes for providing financial assistance for SSIs as per the year of their introduction starting with the one introduced first.  
 (I) Small Industries Development Fund (SIDF)  
 (II) National Equity Fund (NEF)  
 (III) Single Window Scheme (SWS)  
 (A) (III), (II), (I)  (B) (I), (II), (III)  
 (C) (II), (I), (III)  (D) (III), (I), (II)
119. Read the following with regard to the composition of the Union Public Service Commission (UPSC) of India and choose the right option given below.  
 (I) Members of UPSC of India including the chairman are appointed by the Prime Minister of India  
 (II) Usually, the UPSC consists of nine to eleven members including the chairman  
 (III) The chairman and members to the Commission hold office for a term of six years or until they attain the age of 65 years, whichever is earlier  
 (A) Only (I) and (II) are true  
 (B) Only (II) and (III) are true  
 (C) Only (I) and (III) are true  
 (D) All the statements are true
120. Which of the following is/are true with regard to the Finance Commission of India?  
 (I) The Finance Commission of India is comprised of a chairman and 3 other members  
 (II) A person having special knowledge of economics can be selected as a member of Finance Commission  
 (A) Only (I) is true  (B) Only (II) is true  
 (C) Both (I) and (II) are true  (D) Both are untrue
121. The Election Commission is a permanent and independent body established by the Constitution of India directly to ensure free and fair elections in the country. Read the following with regard to the Election Commission and select the right option given below.  
 (I) Article 304 of the Constitution has made the provisions with regard to the composition of election commission  
 (II) The appointment of the chief election commissioner and other election commissioners is made by the president  
 (A) Only (I) is true  (B) Only (II) is true  
 (C) Both (I) and (II) are true  (D) Both are untrue

122. Which of the following is/are true in relation to the Parliament of India?  
 (I) Articles 79 to 122 in Part V of the Constitution of India deal with the organization, composition, duration, officers, procedures, privileges, powers etc. of the Parliament  
 (II) The Parliament of India consists of two parts: The Lok Sabha and the Rajya Sabha  
 (III) The Rajya Sabha is the upper house of the parliament  
 (A) Only (I) and (II) are true (B) Only (II) and (III) are true  
 (C) Only (I) and (III) are true (D) All the statements are true
123. The Supreme Court of India was inaugurated on January 28, 1950 as the highest body of the judicial system? Can a judge of the Supreme Court be removed? Yes, he/she can be. Read the following in this regard and select the correct answer from below.  
 (I) A judge of the Supreme Court can be removed from his Office by an order of the president  
 (II) The Judges Enquiry Act (1968) regulates the procedure relating to the removal of a judge of the Supreme Court  
 (A) Only (I) is true (B) Only (II) is true  
 (C) Both (I) and (II) are true (D) Both are untrue
124. Read the following statements in relation to the National Dairy Development Board (NDDB) and choose the correct option given below.  
 (I) The National Dairy Development Board was initially registered as a society under the Societies Act 1860  
 (II) As on 07 December, 2020, Prof. Guru Prasad Singh is the chairman of NDDB  
 (A) Only (I) is true (B) Only (II) is true  
 (C) Both (I) and (II) are true (D) Both are untrue
125. Which of the following is/are true with regard to Coir Board of India?  
 (I) Coir Board comes under the Ministry of Commerce  
 (II) It was set up by Government of India on 7<sup>th</sup> July, 1954  
 (A) Only (I) is true (B) Only (II) is true  
 (C) Both (I) and (II) are true (D) Both are untrue
126. As per Gujarat Industrial Policy 2020, Existing Enterprise is defined as an enterprise which is in production and has filed:  
 (I) EM Part-II  
 (II) Udyog Aadhaar  
 (III) Udhyaam Registration  
 (IV) IEM  
 (A) Only (I) and (II) (B) Only (III) and (IV)  
 (C) All from (I) to (IV) (D) Any one of the above
127. In view of the strategy under Gujarat Industrial Policy, the Government introduced a 'Scheme for Assistance for Industrial Infrastructure'.  
 (I) The above scheme was introduced on 07.08.2020  
 (II) The scheme shall remain in operation for a period of 3 years.  
 (A) Only (I) is correct (B) Only (II) is correct  
 (C) Both (I) and (II) are correct (D) Neither (I) nor (II) is correct

128. Which of the following is/are true with regard to the first Vibrant Gujarat Submit?
- (I) The first Vibrant Gujarat Submit was organized in 2003  
 (II) It was organized in two cities: Ahmedabad and Surat  
 (III) Agro-Processing was not a focus sector in the first Vibrant Gujarat Submit  
 (IV) At the end of the event 86 MOUs were signed
- (A) Only (I) and (II) are true                       (B) Only (I), (II) and (III) are true  
 (C) Only (III) and (IV) are true                       (D) Only (IV) is true
129. Which of the following is/are true with regard to Vibrant Gujarat Submit?
- (I) Till date nine Vibrant Gujarat Submits have been organized  
 (II) Shri Narendra Modi has participated in 3 Vibrant Gujarat Submits as the Prime Minister of India  
 (III) The 8<sup>th</sup> Vibrant Gujarat Submit was organized in 2016
- (A) Only (I) is true                                       (B) Only (I) and (II) are true  
 (C) Only (III) is true                                       (D) All are true
130. Which of the following is/are true with regard to Shri Vajpayee Bankable Yojana – a scheme of Government of Gujarat?
- (I) The scheme provides assistance to the craftsmen of Cottage Industries  
 (II) The scheme aims to supply self-employment to the unemployed persons in rural areas only  
 (III) The age eligibility of the applicant for the scheme is 18 to 55 years
- (A) Only (I) is true                                       (B) Only (II) is true  
 (C) Only (III) is true                                       (D) None of the above is true
131. Consider the following with regard to the Manav Kalyan Yojana of Government of Gujarat and choose the right option given below.
- (I) Manav Kalyan Yojana was introduced by Government of Gujarat from 11.9.1995  
 (II) The scheme aims to uplift the economic condition of artisans/persons living below poverty line  
 (III) The age eligibility of the applicant for the scheme is 16 to 60 years
- (A) Only (I) is true                                       (B) Only (II) is true  
 (C) Only (III) is true                                       (D) All of the above are true
132. Which of the following is not an objective of the IT Policy of Government of Gujarat (2014-19)?
- (A) To increase the current investment in IT/ITeS sector by 10 times  
 (B) To increase the turnover up to USD 15 Bn  
 (C) To increase IT exports from the State up to USD 2 Bn  
 (D) To promote and develop employment opportunities in the IT and ITeS Sector and provide direct employment to 20 lakh persons
133. Consider the following with regard to Gujarat State Mineral Policy 2003 and choose the right option given below.
- (I) As on March 2003, there existed 7,334 leases of major and minor minerals in Gujarat  
 (II) The policy aimed to increase the mining lease and quarry lease areas an annual rate of 10% in the subsequent five years
- (A) Only (I) is correct                                       (B) Only (II) is correct  
 (C) Both (I) and (II) are correct                       (D) Neither (I) nor (II) is correct

134. Which of the following is not in the list of National Industrial Corridors announced by the Government of India?
- (A) Delhi Mumbai Industrial Corridor                      (B) Chennai Bengaluru Industrial Corridor  
 (C) Pune Goa Industrial Corridor                              (D) Amritsar Kolkata Industrial Corridor
135. The North East Industrial Development Scheme (NEIDS) has been launched by Government of India to catalyze the industrial development in the North Eastern Region of the country. Which of the following is/are true in connection to this scheme?
- (I) The scheme does not include Sikkim  
 (II) The scheme came in to force on 1<sup>st</sup> April, 2017  
 (III) The scheme shall remain in force up to 31<sup>st</sup> March, 2022
- (A) Only (I) is true    (B) Only (I) and (II) are true  
 (C) Only (II) and (III) are true                               (D) All are true
136. The Government of India has set up the Public Private Partnership Appraisal Committee (PPPAC) responsible for the appraisal of PPP projects in the Central sector. Consider the following statements in this regard and choose the right option given below.
- (I) During FY20, PPPAC recommended 5 projects with total project cost of Rs. 4321 crore.  
 (II) Out of the total projects recommended, 2 are railway sector projects and 3 are port sector projects
- (A) Only (I) is correct    (B) Only (II) is correct  
 (C) Both (I) and (II) are correct                              (D) Neither (I) nor (II) is correct
137. The road network is the backbone of the transport system in India and it is very well integrated with the multi-modal system of transportation. What has been the growth of investment in the Roads and Highways sector from FY15 to FY20?
- (A) It has increased by more than 4 times               (B) It has increased by more than 3 times  
 (C) It has nearly doubled                                      (D) It has not increased satisfactorily
138. The Government of India approved the Integrated Power Development Scheme (IPDS) in 2014. Which of the following is the objective of this scheme?
- (A) To facilitate state utilities to ensure quality and reliable 24x7 power supply in the urban and rural areas  
 (B) To facilitate state utilities to ensure quality and reliable 24x7 power supply in the urban areas  
 (C) To facilitate state utilities to ensure quality and reliable 24x7 power supply only in metro cities  
 (D) To facilitate state utilities to ensure quality and reliable 24x7 power supply only in industrial estates
139. Which of the following is/are true in relation to the first ever Offshore Wind Farm Project of India?
- (I) It is coming up in the Gujarat state  
 (II) The project is supported by the Ministry of New and Renewable Energy and National Institute of Wind Energy  
 (III) It is funded by European Union
- (A) Only (I) is true    (B) Only (I) and (II) are true  
 (C) Only (II) and (III) are true                               (D) All are true



140. Dholera Special Investment Region is one of the mega industrial projects of Gujarat. What is the total notified area of this project?
- (A) 720 sq.km. (B) 820 sq.km.  
 (C) 920 sq.km (D) 980 sq.km
141. Which of the following two ports have been commissioned to be revived in Gujarat under the Greenfield Port Development project?
- (A) Vansi Borsi Port and Mundra Port (B) Mithivirdi Port and Kandla Port  
 (C) Dahej Port and Pipava Port  (D) Vansi Borsi Port and Mithivirdi Port
142. An estimate for the year 2009 was presented in World Bank's report *India: Diagnostic Assessment of Select Environmental Challenges* released in June 2013. Read the following related to this report and choose the right option given below.
- (I) This report estimated the total cost of environmental degradation in India at about Rs.3.75 trillion annually, equivalent to 5.7 per cent of GDP in 2009  
 (II) According to the Report, over the period 1953-2009 damages from natural disasters stood at Rs.150 billion a year on average (at constant 2009 prices)
- (A) Only (I) is correct (B) Only (II) is correct  
 (C) Both (I) and (II) are correct (D) Neither (I) nor (II) is correct
143. Consider the following with regard to India's forest cover and choose the right option given below.
- (I) According to the Forest Survey of India's biennial report for 2015, India's forest cover is about 25 per cent of the total land area of the country  
 (II) Out of the total forest cover, only 15 per cent is covered with dense forest
- (A) Only (I) is correct (B) Only (II) is correct  
 (C) Both (I) and (II) are correct (D) Neither (I) nor (II) is correct
144. Consider the following in relation to India's ecosystem.
- (I) In India, 103 species of mammals and birds have been listed as endangered under the Wildlife (protection) Act, 1972  
 (II) Out of them 5 such species are known to have become extinct in recent past
- Select the right one from the options given below:
- (A) Only (I) is correct (B) Only (II) is correct  
 (C) Both (I) and (II) are correct (D) Neither (I) nor (II) is correct
145. Which of the following is the first institutional arrangement in India for formally addressing environmental concerns?
- (A) Central Pollution Control Board  
 (B) National Committee on Environmental Planning and Coordination  
 (C) Hazardous Substances Management Division  
 (D) National Afforestation and Eco-development Board
146. Arrange the following initiatives of Government of India towards environment protection as per their year of initiation starting with the one initiated first.
- (I) Water Cess Act  
 (II) National Water Policy  
 (III) Air (Prevention and Control of Pollution) Act  
 (IV) Environment (Protection) Act
- (A) (I), (II), (III), (IV)  (B) (I), (III), (IV), (II)  
 (C) (II), (III), (IV), (I) (D) (III), (IV), (II), (I)

147. Environmental Impact Assessment (EIA) in India involves evaluation of a project or a programme which is likely to cause damage to the environment. Which of the following is/are related with EIA?
- (I) The process of EIA was started in 1978-79  
 (II) Coastal Regulation Zone (CRZ) Notification, 1991 is a major statutory regulation governing EIA
- (A) Only (I) is related (B) Only (II) is related  
 (C) Both (I) and (II) are related (D) Neither (I) nor (II) is related
148. Read the following statements and choose the right answer given below.
- (I) India is, and has been, one of the lowest GHG emitters in the world  
 (II) India's emission on 2.33 tonnes of CO<sub>2</sub> equivalent per person in 2012, was nearly one-fourth that of Europe and one eighth that of the USA
- (A) Only statement (I) is correct (B) Only statement (II) is correct  
 (C) Both the statements are correct (D) Neither of the statements is correct
149. Read the following statements with regard to global environmental threat.
- (I) According to the World Meteorological Organisation, the January to October data for the year 2015 showed the average surface temperature to be around 0.73 degree Celsius above the 1961-1990 average.  
 (II) This is approximately 2 degree Celsius above the pre-industrial 1880-1899 period
- Choose the right option given below based on the above statements:
- (A) Only statement (I) is correct (B) Only statement (II) is correct  
 (C) Both the statements are correct (D) Neither of the statements is correct
150. The Kyoto Protocol came into effect in 2005. The first period of commitment under the Kyoto Protocol expired at the end 2012. When was the second period due for expiry?
- (A) in 2018 (B) in 2019  
 (C) in 2020 (D) in 2021
151. The 17<sup>th</sup> Conference of Parties (COP) of the UNFCCC attended by 1995 nations was held from November 28 to December 11, 2011 in Durban, South Africa. Which of the following was/were outcome/outcomes of the conference?
- (I) A deal was struck and it was referred to as *Durban Platform*  
 (II) Only a few participating governments agreed to be a part of a legally binding treaty to address global warming
- (A) Only (I) (B) Only (II)  
 (C) Both (I) and (II) (D) Neither (I) nor (II)
152. The Paris Climate Agreement was held from November 30, 2015 to December 12, 2015. Which of the following shows/show its importance?
- (I) It is the second major agreement on climate change after Kyoto Protocol  
 (II) The Agreement targets zero emissions by the end of this century
- (A) Only (I) (B) Only (II)  
 (C) Both (I) and (II) (D) Neither (I) nor (II)

153. Which of the following is/are reason/reasons behind introduction of economic reforms in India in 1991?
- (I) Unsustainable fiscal deficit  
 (II) Unsustainable current account deficit  
 (III) Accelerating inflation  
 (IV) Erratic behavior of nature adversely affecting agriculture
- (A) Only (I) and (II) (B) Only (II) and (III)  
 (C) Only (I), (II) and (III) (D) Only (III) and (IV)
154. Which of the following was not a part of comprehensive liberalization reforms introduced in July 1991?
- (A) Trade and capital flow reforms (B) Disinvestment and public enterprise reforms  
 (C) Financial sector reforms (D) Demographic reforms
155. Which of the following statement(s) is/are correct with regard to economic reforms of 1991?
- (I) As a first step towards a gradual reduction in the tariffs, the 1991-92 Budget had reduced the peak rate of import duty from more than 300 per cent to 150 per cent.  
 (II) The government devalued rupee by 18-19 per cent in July 1991 to restore India's international competitiveness.  
 (III) Limits on the size of the companies which was earlier enforced under the Monopoly and Restrictive Trade Practices Act was scrapped.  
 (IV) The requirement of industrial licensing was abolished for all product categories.
- (A) Only (I) and (II) are correct (B) Only (II) and (III) are correct  
 (C) Only (III) and (IV) are correct (D) Only (I), (II) and (III) are correct
156. Consider the following with regard to the financial sector reforms introduced as part of economic reforms in 1991 and choose the correct option given below.
- (I) Government of India set up Committee on the Financial System in 1991  
 (II) The Banking Sector Reforms Committee was set up in 1995  
 (III) The Banking Sector Reforms Committee is also known as the Narasimham Committee
- (A) Only (I) and (II) are correct (B) Only (II) and (III) are correct  
 (C) Only (I) and (III) are correct (D) All are correct
157. Economic Reforms introduced in 1991 is considered to be a booster of the Indian Economy. However, it could not meet all the aims and targets. Read the following statements in this regard and choose the right option given below.
- (I) Economic reforms yielded a high rate of growth of GDP till the first decade of the present century  
 (II) Economic reforms could not raise average per capita expenditure and real wages as per target  
 (III) Period of economic reforms has witnessed growing inequalities
- (A) Only (I) and (II) are correct (B) Only (II) and (III) are correct  
 (C) Only (I) and (III) are correct (D) All are correct

158. Following trade liberalization policies as part of economic reforms, there have been changes in the composition of India's exports. Consider the following in this regard and choose the right option given below.
- (I) Share of agriculture of allied products in total exports has increased in the post reform period  
 (II) There has been a decline in the share of manufactured goods in aggregate exports since 1991  
 (III) Export of petroleum products has increased so much so that now it occupies the second place in India's export earnings
- (A) Only (I) is correct (B) Only (II) is correct  
 (C) Only (III) is correct (D) All are correct
159. Which of the following is not true with regard to the de-reservation policy for public sector enterprises introduced as part of economic reforms in 1991?
- (A) The 1991 Industrial Policy reduced the number of industries under public sector from 17 to 8  
 (B) In 1993, items 5 and 6 were deleted from the reserved list  
 (C) In 1998-99, items 3 and 4 were deleted from the reserved list  
 (D) At present only 3 industrial sectors are reserved for public sector
160. As a public sector reform policy, the government of India introduced privatization of PSUs. Which of the following is a method or are methods adopted for privatization?
- (I) Initial Public Offering  
 (II) Strategic Sale Method  
 (III) Sale to Foreigners  
 (IV) Management-employee Buyout
- (A) Only (I) and (II) (B) Only (III) and (IV)  
 (C) Only (I), (II) and (IV) (D) All
161. Replacing FERA with FEMA was a major move in the direction of foreign exchange market reforms. Which of the following statement(s) is/are true with regard to this reform?
- (I) Union Budget 1998-99 advocated repealing FERA and replacing it with FEMA  
 (II) The alphabet 'R' in FERA represented 'Restriction' which was replaced by the alphabet 'M' in FEMA representing 'Management'
- (A) Only (I) is true (B) Only (II) is true  
 (C) Both are true (D) Both are untrue
162. Consider the following with regard to Doing Business Report 2018 and choose the right option given below.
- (I) India records highest jump in Rank (30 ranks) among the evaluated economies  
 (II) India ranks among top 30 in 2 indicators  
 (III) India's rank improved in 8 out of 10 indicators
- (A) Only (I) is true (B) Only (II) is true  
 (C) (III) Only (II) and (III) are true (D) (IV) All are true
163. Which of the following is incorrect with regard to the definition of sickness of small scale industry in India?
- (A) Cash loss in the previous accounting year and likelihood to continue the losses in the current accounting year  
 (B) Erosions on account of cumulative cash losses to the extent of 50% or more of the peak net worth during the last five years  
 (C) Continuous defaulter in meeting ten consecutive installments of interest  
 (D) Continuous defaulter in meeting two half-yearly installments of principal on term loan

164. Causes of Industrial Sickness are usually divided into two categories: external and internal. Which of the following is/are internal cause/causes of industrial sickness in India?
- (I) Power Cuts  
(II) Defective Plant and Machinery  
(III) Erratic Supply of Inputs
- (A) Only (I) (B) Only (II)  
(C) Only (II) and (III) (D) Only (I) and (II)
165. Section 269 of the Companies Act 2013 for revival and rehabilitation of sick companies seeks to provide that a Fund called the Rehabilitation and insolvency Fund shall be formed for the purposes of rehabilitation, revival and liquidation of the sick companies. Which of the following is/are the source or sources of Fund of this scheme?
- (I) Grants made by the central government  
(II) Amount deposited by the companies as contribution  
(III) Grants made by the state governments
- (A) (I) and (II) only (B) (I) and (III) only  
(C) (II) and (III) only (D) All of the above
166. Consider the following with regard to Insolvency and Bankruptcy Code 2016 initiated as a measure for industrial sickness in India.
- (I) The Code was passed by Lok Sabha on May 5, 2016  
(II) The Code received the assent of the President on May 28, 2016
- Which of the above is/are correct?
- (A) Only (I) (B) Only (II)  
(C) Both (I) and (II) (D) Neither (I) nor (II)
167. Arrange the following organizations and acts initiated as measures of industrial sickness in India according to their year of initiation starting with the one initiated first.
- (I) Board for Industrial and Financial Reconstruction  
(II) Sick Industrial Companies Act  
(III) Recovery of Debt Due to Banks and financial Institutions Act
- (A) (II), (III), (I) (B) (I), (II), (III)  
(C) (II), (I), (III) (D) (III), (II), (I)
168. Consider the following with regard to the National Mission for a Green India (GIM) and choose the right option given below.
- (I) GIM has the objective to improve ecosystem services by increasing forest/tree cover by 5 mha  
(II) A sum of around Rs.343 crore has been released to 13 states during the period 2015-16 to 2019-20 under this mission
- (A) Only (I) is true (B) Only (II) is true  
(C) Both are true (D) Both are untrue
169. Swachh Bharat Mission is a unique initiative of the Government of India for enhancing quality of environment in the country. Read the following statements in this regard and chose the right option given below.
- (I) Under Swachh Bharat Mission, 100 per cent door-to-door waste collection has been achieved in more than 83 thousand wards  
(II) 99 per cent cities in India have been declared Open Defection Free
- (A) Only (I) is true (B) Only (II) is true  
(C) Both are true (D) Both are untrue

170. Which of the following is not true with regard to North East Industrial and Investment Promotion Policy (NEIIPP), 2007?
- (A) NEIIPP was notified on 01.04.2007  
 (B) It covers eight North East States of India  
 (C) Under this policy the Central Capital Investment Subsidy Scheme provides for capital investment subsidy @ 30% of the value of plant and machinery, without any upper ceiling  
 (D) There is no provision of interest subsidy on working capital loan under this policy
171. Which of the following states is not covered in Package-II for special Category State under Department for Promotion of Industry and Internal Trade?
- (A) Jammu & Kashmir (B) Haryana  
 (C) Himachal Pradesh (D) Uttarakhand
172. Consider the following with regard to Modernization and Strengthening of Intellectual Property Office (MSIPO) and choose the right option given below.
- (I) The Plan Scheme for MSIPO was first implemented by the Government in the 11<sup>th</sup> Five Year Plan  
 (II) The implementing agency in respect of the Scheme has been identified as the office of the Controller General of Patents, Designs and Trademarks
- (A) Only (I) is true (B) Only (II) is true  
 (C) Both (I) and (II) are true (D) Both (I) and (II) are untrue
173. Which of the following is the operative period of assistance to Startup/Innovation Scheme as per Resolution of Government of Gujarat?
- (A) 01 January, 2015 to 31 December, 2019 (B) 01 January, 2014 to 31 December, 2018  
 (C) 01 January, 2016 to 31 December, 2020 (D) 01 January, 2017 to 31 December, 2021
174. Government of Gujarat has introduced a modified scheme for Rehabilitation of sick enterprises with grant of relief and concessions to the Sick viable industrial enterprises. Which of the following enterprise/enterprises is/are eligible for the above scheme?
- (I) MSME enterprises  
 (II) Large industrial enterprises fulfilling certain specified criteria
- (A) Only (I) is correct (B) Only (II) is correct  
 (C) Both (I) and (II) are correct (D) Both (I) and (II) are incorrect
175. Scheme for financial assistance by way of Interest Subsidy and Credit linked Interest Subsidy to Micro, Small and Medium Service Enterprises was introduced by Government of Gujarat in January, 2015. Which of the following is not correct with regard to the scheme?
- (A) Interest Subsidy reimbursable after payment to the Bank/Institution  
 (B) 1% additional interest subsidy, if enterprise is set up with required equity contribution for the period @ 100% by youth/s having age 35 years as on the date of sanction of the term loan  
 (C) Maximum quantum of interest subsidy shall not exceed 10%  
 (D) The assistance is available to enterprise set up anywhere in the State with permission from appropriate local authority
176. Which of the following is/are correct with regard to eligibility of enterprises to avail incentive under 'Scheme of Assistance under Scheme of Labour Intensive' introduced by Government of Gujarat?
- (I) Garment, Apparels & made ups Industry with 300 persons  
 (II) Agro & Food Processing with 100 persons  
 (III) Assembling Enterprises with partial manufacturing facilities with 200 persons
- (A) (I) and (II) are correct (B) (II) and (III) are correct  
 (C) (I) and (III) are correct (D) All are correct

177. Consider the following with regard to the eligibility to apply for Scheme for Financial Assistance to Plastic Industry by way of Interest Subsidy and VAT incentive and choose the right option given below.
- (I) The New Enterprises, which are engaged in manufacturing of plastic products/items/articles by using plastic as raw materials purchased within the state are eligible
- (II) The enterprises that have availed assistance under this scheme is not entitled to avail benefit under any other scheme of State Government unless and otherwise specified under that scheme
- (A) (I) and (II) are correct (B) (II) and (III) are correct  
(C) (I) and (III) are correct (D) All are correct
178. To boost MSMEs in the state, Government of Gujarat has introduced the Scheme for Financial Assistance to GIDC for development of Industrial estate for MSEs under Gujarat Industrial Policy, 2015. Which of the following is/are true in relation to the scheme?
- (I) The operative period of the scheme is 5 years
- (II) The assistance up to 50% of allotment price fixed by SLEC is given directly to MSEs
- (III) GIDC has to develop the estate within three years
- (A) (I) and (II) are correct (B) (II) and (III) are correct  
(C) (I) and (III) are correct (D) All are correct
179. Which of the following is/are true with regard to the Cluster Development Scheme of Government of Gujarat?
- (I) The revised cluster development scheme has been implemented from August, 2019
- (II) The District Industry Center of the concerned district is the implementing agency of the scheme
- (A) Only (I) is correct (B) Only (II) is correct  
(C) Both (I) and (II) are correct (D) Both (I) and (II) are incorrect
180. Entrepreneurship Skill Development Programmes, under the Ministry of Micro, Small and Medium Enterprises, are being conducted regularly to nurture the talent of youth. Consider the following related to such programmes and choose the right option given below.
- (I) 20% of the total targeted ESDPs are conducted exclusively for weaker sections of the society i.e., SC/ST/Women and PH
- (II) Each participant from such sections is given Rs.500 per month under the Promotional Package for MSEs
- (III) A nominal fee is charged from candidates under these programmes
- (A) (I) and (II) are correct (B) (II) and (III) are correct  
(C) (I) and (III) are correct (D) All are correct
181. Which of the following is/are correct with regard to Credit Linked Capital Subsidy for Technology Upgradation (CLCSS) under National Manufacturing Competitiveness Programme?
- (I) CLCSS provides 15% subsidy for additional investment up to Rs.1 crore for technology upgradation by MSEs
- (II) Both MSEs and large scale units can avail the above facility
- (A) Only (I) is correct (B) Only (II) is correct  
(C) Both (I) and (II) are correct (D) Both (I) and (II) are incorrect
182. Which of the following is not an institution for industrial finance in India?
- (A) IFCI (B) SFCs  
(C) ICICI (D) BIFR

183. Arrange the following industrial financial institutions in India as per their year of establishment starting with the one established first.
- (I) IFCI 1948  
 (II) ICICI 1955  
 (III) NIDC 1954  
 (IV) IDBI 1964
- (A) (I), (II), (III), (IV)                      **(B)** (I), (III), (II), (IV)  
 (C) (II), (III), (IV), (I)                      (D) (III), (I), (II), (IV)
184. Which of the following is not an investment institution under the All India Financial Institutions in India?
- (A) LIC    (B) GIC  
**(C)** SIDBI    (D) UTI
185. The Merchant Banking and Allied Services Department (MBASD) is a department of:
- (A)** IFCI    (B) ICICI  
 (C) IDBI    (D) TFCI
186. Which of the following is/are correct with regard to the functions of ICICI?
- (I) The ICICI was originally set up to provide finance to industrial concerns in the private sector  
 (II) The scope of its operation was later enlarged to joint, public and co-operative sectors
- (A) Only (I) is correct                              (B) Only (II) is correct  
**(C)** Both (I) and (II) are correct              (D) Both (I) and (II) are incorrect
187. Which of the following is/are correct with respect to IDBI?
- (I) The IDBI was initially set up as a wholly owned subsidiary of the Government of India  
 (II) In February 1976 the IDBI was made an autonomous institution and its ownership passed on from the Government of India to the Reserve Bank of India
- (A) Only (I) is correct                              (B) Only (II) is correct  
 (C) Both (I) and (II) are correct              **(D)** Both (I) and (II) are incorrect
188. Which of the following was established in 1971 by IIBI with a view to provide finance to sick industrial units to revive?
- (A) IDBI    (B) SIDBI  
**(C)** IRCI    (D) RCTC
189. Consider the following and choose the right option given below.
- (I) ICICI Venture Fund is a technology venture finance company that grants project finance to new technology ventures  
 (II) IFCI Venture Fund provides both risk capital and technology finance
- (A) Only (I) is correct                              (B) Only (II) is correct  
**(C)** Both (I) and (II) are correct              (D) Both (I) and (II) are incorrect
190. The General Insurance Industry was nationalized in 1971 and a government company known as General Insurance Corporation of India was formed in November, 1972. Which of the following is correct with regard to its financial assistance sanctioned and disbursed in 2017-18?
- (A) Sanctioned Rs.25 crore and disbursed Rs. 22 crore  
**(B)** Sanctioned and disbursed both stood at Rs.25 crore  
 (C) Sanctioned Rs.30 crore and disbursed Rs.25 crore  
 (D) Sanctioned Rs.35 crore and disbursed Rs.35 crore



191. Which of the following was the actual growth rate of the industrial sector in India during the 11<sup>th</sup> Plan?  
 (A) 4.9% (B) 5.9%  
 (C) 6.9% (D) 6.4%
192. Which of the following is/are true with regard to allocation and target of annual growth of industry sector in India as per the Twelfth Plan?  
 (I) The Twelfth Plan proposed outlay for industry was Rs.377302 crore  
 (II) Target for industrial growth during the 12<sup>th</sup> Plan was 10 per cent per annum  
 (A) Only (I) is correct (B) Only (II) is correct  
 (C) Both (I) and (II) are correct (D) Both (I) and (II) are incorrect
193. Consider the following with regard to the comparison between Old and New IIP data and choose the right option given below.  
 (I) The average industrial growth rate during the five year period 2012-13 to 2016-17 worked out to 4.7 per cent per annum in contrast to just 1.4 per cent per annum in the old series  
 (II) In the latest year 2016-17, IIP growth of 0.7 per cent in the old series got revised to 4.6 per cent in the new series  
 (A) Only (I) is correct (B) Only (II) is correct  
 (C) Both (I) and (II) are correct (D) Both (I) and (II) are incorrect
194. Which of the following do you think is/are challenge/challenges before the Indian Industry Sector during the recent times?  
 (I) In the case of machine tools, imports now account for about two-thirds of the domestic requirements and is increasing further  
 (II) The import of power-generation equipment from China at much lower cost is also making the domestic industry uncompetitive  
 (A) Only (I) (B) Only (II)  
 (C) Both (I) and (II) (D) Neither (I) nor (II)
195. Which of the following is not true in case of the National Manufacturing Policy (NMP) of India?  
 (A) The National Manufacturing Policy was released by the Government of India on November 4, 2011  
 (B) NMP aims at increasing manufacturing growth to 12-14 per cent over the medium term  
 (C) NMP aims at creating 200 million additional jobs in the manufacturing sector by 2022  
 (D) NMP aims at creating appropriate skill sets among the rural migrant and urban poor for their easy absorption in manufacturing
196. Consider the following with regard to 'Make in India' initiative of Government of India and choose the right option given below.  
 (I) The 'Make in India' global initiative was launched on September 25, 2015  
 (II) 'Make in India' has identified 25 sectors in manufacturing, infrastructure and services activities  
 (A) Only (I) is correct (B) Only (II) is correct  
 (C) Both (I) and (II) are correct (D) Neither (I) nor (II) is correct
197. Which of the following is not related with 'Make in India'?  
 (A) Atal Innovation Mission (AIM)  
 (B) Self Employment and Talent Utilization (SETU)  
 (C) Micro Units Development Refinance Agency (MUDRA)  
 (D) Board for Industrial and financial Reconstruction (BIFR)

198. Consider the following statements with regard to the recent trend in Index of Industrial Production in India and choose the right option given below.
- (I) The IIP attained a growth of (-) 1.9 per cent in November-2020 as compared to 2.1 per cent in November-2019
- (II) The cumulative growth of IIP for the period April-November 2020 was (-) 15.5 per cent as compared to 0.3 per cent from April-November 2019
- (A) Only (I) is correct (B) Only (II) is correct  
 (C) Both (I) and (II) are correct (D) Neither (I) nor (II) is correct
199. Gross bank credit is one of the indicators of industrial growth. Which of the following is true with regard to gross bank credit to Indian industry sector between 2019 and 2020?
- (A) It has been recorded (-) 2.7 in October-2020 as compared to 3.4 per cent growth in October-2019
- (B) It has been recorded (-) 1.7 in October-2020 as compared to 3.4 per cent growth in October-2019
- (C) It has been recorded (-) 0.7 in October-2020 as compared to 2.4 per cent growth in October-2019
- (D) It has been recorded (-) 1.7 in October-2020 as compared to 4.4 per cent growth in October-2019
200. Read the following statements and select the right option given below.
- (I) The eight-core industries that support infrastructure such as coal, crude oil, natural gas, refinery products, fertilizers, steel, cement and electricity have a total weight of nearly 30 per cent in the IIP.
- (II) The eight-core index recorded its all time low growth of (-) 37.9 due to COVID-19 led nationwide lockdown (April-2020)
- (A) Only (I) is correct (B) Only (II) is correct  
 (C) Both (I) and (II) are correct (D) Neither (I) nor (II) is correct
201. The nature of atomic bond found in diamond is
- (A) ionic (B) covalent  
 (C) metallic (D) None of the above
202. Polythene is
- (A) a polymer of ethylene (B) a vulcanised rubber  
 (C) impregnated cotton (D) cellulose derivative
203. Which of the following chemical is added to give the blue colour to the glass?
- (A) cobalt oxide (B) manganese dioxide  
 (C) tin oxide (D) calcium phosphate
204. Silica gel is used for \_\_\_\_\_ of air.
- (A) purification (B) deionization  
 (C) humidification (D) dehumidification
205. Magnetic permeability is maximum for
- (A) diamagnetic (B) paramagnetic  
 (C) ferromagnetic (D) None of the above
206. Glass is an example of an amorphous solid which can be characterised as
- (A) a malleable solid (B) a crystal like structure  
 (C) a good conductor (D) a very viscous fluid

207. An electrician's solder is generally an alloy of  
(A) iron and mercury (B) zinc and copper  
(C) copper and lead (D) tin and lead
208. Dextrine is  
(A) a rubber based adhesive (B) a starch glue  
(C) a resin (D) a paint
209. Which alloy of aluminium is often used for aeroplane and automobile parts?  
(A) duralumin (B) magnalium  
(C) RR53 (D) Aluminium bronze
210. Bakelite is a  
(A) acrylate (B) silicon varnish  
(C) thermoplastic synthetic resin (D) phenol formaldehyde resin
211. Which of the following is copper free alloy?  
(A) brass (B) phosphor bronze  
(C) invar (D) muntz metal
212. Which glass is resistant to heat and chemicals?  
(A) soda lime glass (B) silica glass  
(C) borosilicate glass (D) paramic glass
213. Wood is a  
(A) granular material (B) cellular material  
(C) homogeneous material (D) amorphous material
214. Graphite is a  
(A) solid lubricant (B) semi liquid lubricant  
(C) liquid lubricant (D) None of the above
215. Viscosity numbering system is used to rate the \_\_\_\_\_ of the engine oil.  
(A) oil temperature (B) oil weight  
(C) oil thickness (D) oil gravity
216. The lubricants that are suitable for I.C. engine must have \_\_\_\_\_ viscosity index.  
(A) minimum (B) medium  
(C) high (D) None of the above
217. The strongest synthetic fibre is  
(A) nylon (B) rayon  
(C) polyester (D) acrylic
218. Which of the following is a natural fibre?  
(A) nylon (B) PVC  
(C) wool (D) polythene
219. Polyethylene terephthalate (PET) is a \_\_\_\_\_.  
(A) polyester (B) polyamide  
(C) nylon (D) thermosetting polymer
220. Which fibre is used as a artificial wool?  
(A) acrylic (B) rayon  
(C) nylon (D) cotton

221. If dry steam is heated above saturation temperature, then it is called  
 (A) sensible heat (B) superheating  
 (C) super saturated steam (D) entropy
222. Which of the following does not change during throttling process?  
 (A) internal energy (B) pressure  
 (C) entropy (D) enthalpy
223. Which thermodynamic cycle is used for steam engines?  
 (A) Carnot cycle (B) Rankine cycle  
 (C) Bell-coleman cycle (D) Bryton cycle
224. The pressure at which the properties of water and steam become identical is  
 (A) 100 bar (B) 1.013 bar  
 (C) 221.2 bar (D) 0.7 bar
225. Amongst following which is not a property of the system?  
 (A) pressure (B) temerature  
 (C) specific volume (D) work
226. "Heat can flow from cold substance to hot substance with the aid of external work". This statement refers to which scientist?  
 (A) Clausius (B) Newton  
 (C) Kelvin (D) Planck
227. What does second law of thermodynamics illustrate?  
 (A) internal energy (B) temerature  
 (C) entropy (D) heat
228. All engineering processes are  
 (A) irreversible (B) constant entropy  
 (C) quasi-static (D) thermodynamally equilibrium
229. Steam engines works on which law?  
 (A) third law of thermodynamics (B) second law of thermodynamics  
 (C) zeroth law of thermodynamics (D) momentum conversion
230. 1 atmospheric pressure is numerically  
 (A) 1 kg/m<sup>2</sup> (B) 1.1 N/cm<sup>2</sup>  
 (C) 1.033 kg/cm<sup>2</sup> (D) 0.5 kg/m<sup>2</sup>
231. Internal energy is dependent on which of the following?  
 (A) pressure (B) temperature  
 (C) volume (D) size of vessel
232. For a closed system, the difference between heat added to the system and the work done by the system is equal to the change in  
 (A) enthalpy (B) entropy  
 (C) temperature (D) internal energy
233. For an ideal gas, the internal energy is a function of  
 (A) temperature and pressure only (B) temperature and volume only  
 (C) pressure only (D) temperature only

234. Absolute pressure is equals to  
 (A) gauge pressure + vacuum pressure (B) gauge pressure - vacuum pressure  
 (C) gauge pressure + atmospheric pressure (D) None of the above
235. Entropy of mixing is always  
 (A) negative (B) positive  
 (C) zero (D) does not change
236. Entropy is expressed as a function of  
 (A) heat (B) pressure and temperature  
 (C) temperature and volume (D) None of the above
237. At critical point the enthalpy of vaporisation is calculated as  
 (A) zero (B) minimum  
 (C) Maximum (D) depends on pressure
238. The unit of energy in S.I. units is  
 (A) watt (B) Joule  
 (C) Joule/sec (D) Joule/m
239. The measurement of a thermodynamic property known as temperature is based on  
 (A) First law of thermodynamics (B) Second law of thermodynamics  
 (C) Zeroth law of thermodynamics (D) None of the above
240. Which of the following is an intensive property of a thermodynamic system?  
 (A) Mass (B) Temperature  
 (C) Energy (D) Volume
241. Kirchhoff's Current Law states that the sum of the currents entering a junction:  
 (A) is greater than the sum of the currents leaving that junction  
 (B) is less than the sum of the currents leaving that junction  
 (C) equals the sum of the currents leaving that junction  
 (D) equals the supply voltage around the junction
242. In a parallel circuit, if one branch becomes open circuit, the:  
 (A) total current is increased (B) total current falls to zero  
 (C) other branches are not affected (D) other branches will draw more current
243. In a DC Circuit, Inductive reactance would be  
 (A) Equal As in AC Circuits (B) High  
 (C) Extremely High (D) Zero
244. Kirchhoff's voltage law deals with  
 (A) Conversation of energy (B) Conversation of momentum  
 (C) Conversation of charge (D) Conversation of angular momentum
245. An electrical fan and heater are marked as 100 W and 1000 W respectively at 220 V supply. What will be the resistance of heater?  
 (A) Zero (B) Greater than that of the fan  
 (C) Less than that of the fan (D) Equal to that of the fan
246. Electrical appliances are not attached in series because  
 (A) series circuit is complex  
 (B) power loss is more  
 (C) appliances contain different current ratings  
 (D) None of the above

247. D.C. circuit usually has \_\_\_\_\_ as load.  
 (A) resistance (B) inductance  
 (C) capacitance (D) both inductance and capacitance
248. In an AC circuit a low value of KVAR compared with KW indicates  
 (A) Low efficiency (B) High power factor  
 (C) Unity power factor (D) Maximum load current
249. The form factor is the ratio of  
 (A) peak value to r.m.s. value (B) r.m.s. value to average value  
 (C) average value to r.m.s. value (D) None of the above
250. Average value of a sinusoidal alternating signal is \_\_\_\_\_ for a full cycle.  
 (A) Maximum (B) Zero  
 (C) Finite Value (D) Infinite
251. Power Factor ( $\cos \theta$ ) = \_\_\_\_\_?  
 (A) kW/kVA  
 (B)  $R/(1-Z)$   
 (C) The Cosine of angle between Current and Resistance  
 (D) All of the above
252. The relationship between Impedance (Z) and Admittance(Y) is \_\_\_\_\_?  
 (A)  $Z=1/Y$  (B)  $Z=1+Y$   
 (C)  $Z=1-Y$  (D)  $Z=Y^2$
253. In pure capacitive circuit, the power is \_\_\_\_\_?  
 (A) Infinite (B) Maximum  
 (C) Normal (D) Zero
254. Aluminium conductor cables can be joined by  
 (A) gas welding (B) soldering  
 (C) compression (D) thermit welding
255. \_\_\_\_\_ cables are used for 132 kV lines.  
 (A) High tension (B) Super tension  
 (C) Extra high tension (D) Extra super voltage
256. High tension cables are generally used up to  
 (A) 11 kV (B) 33 kV  
 (C) 66 kV (D) 132 kV
257. The circuit breaker which does not contain any serviceable part is known as  
 (A) Oil circuit breaker (OCB) (B) Miniature circuit breaker (MCB)  
 (C) Air circuit breaker (ACB) (D) Air blast circuit breaker (ABCB)
258. Carbon arc lamps are commonly used in  
 (A) Domestic lighting (B) Street lighting  
 (C) Cinema Projector (D) Photography
259. What is the range of current rating of single pole MCBs commercially available?  
 (A) 2 to 6 A (B) 0.5 to 60 A  
 (C) 1.0 to 62 A (D) 6.0 to 32 A
260. Gloves used for electrical protection must be electrically tested every \_\_\_\_\_.  
 (A) 3 months (B) 6 months  
 (C) 12 months (D) Never

261. The country of winds is  
 (A) India (B) China  
 (C) Denmark (D) Netherlands
262. Which of the given is not an example of a bio-mass energy source?  
 (A) Wood (B) Gobar-gas  
 (C) Nuclear energy (D) Coal
263. Most of the sources of energy that we use represent stored solar energy. Which of the given is not ultimately derived from the sun's energy?  
 (A) Geothermal energy (B) Wind energy  
 (C) Fossil fuels (D) Bio-mass
264. A solar water heater cannot be used to get hot water on  
 (A) A sunny day (B) A cloudy day  
 (C) A hot day (D) A windy day
265. Green house effect is caused by gases like  
 (A) Helium (B) Oxygen  
 (C) Nitrogen (D) Carbon dioxide
266. Geo-thermal energy is energy derived from  
 (A) Hot spots under the earth (B) Cold spots above the earth  
 (C) Hot spots above the earth (D) Cold spots under the earth
267. Which of the given is not the conventional sources of energy?  
 (A) Fossil fuels (B) Biomass  
 (C) Solar energy (D) Vegetable wastes
268. The largest component of biogas is  
 (A) Helium (B) Oxygen  
 (C) Nitrogen (D) Methane
269. Which of the following produces energy because of temperature difference at various levels in ocean?  
 (A) Tidal energy (B) Wave energy  
 (C) Solar energy (D) Ocean thermal energy
270. Quality of fuel is measured by  
 (A) Calorific value (B) Combustion value  
 (C) Initial value (D) None of the above
271. Which of the following is a disadvantage of most of the renewable energy sources?  
 (A) Highly polluting (B) High waste disposal cost  
 (C) Unreliable supply (D) High running cost
272. The outermost layer of the earth is  
 (A) Magma (B) Mantle  
 (C) Crust (D) Solid iron core
273. Which element is used in solar cells?  
 (A) Carbon (B) Silicon  
 (C) Phosphorous (D) Sulphur

274. One major problem in harnessing nuclear energy is  
 (A) converting nuclear energy into electrical energy.  
 (B) sustaining the reaction.  
 (C) splitting the nuclei.  
 (D) disposing off spent fuel easily.
275. Which source of energy is the most used in India?  
 (A) Coal (B) Petroleum  
 (C) Nuclear energy (D) Wind energy
276. Which state produces the largest amount of wind energy in India?  
 (A) Maharashtra (B) Karnataka  
 (C) Punjab (D) Tamilnadu
277. Which of the given is a component of bio-gas?  
 (A) Methane (B) LPG  
 (C) CNG (D) Hydrogen sulphide
278. Which of the following is not a type of primary resource?  
 (A) Crude Oil (B) Coal  
 (C) Hydrogen Energy (D) Sunlight
279. Which of these Energy resources is/are widely used in industries?  
 (A) Coal and Gasoline (B) Wood  
 (C) Biogas (D) Crop Residue
280. Which of these is the major contributor to world pollution?  
 (A) Commercial resources (B) Non-Commercial Resources  
 (C) Renewable Resources (D) Nuclear Energy
281. Which of the following is an output device?  
 (A) Keyboard (B) Mouse  
 (C) Light pen (D) VDU
282. Which of the following is the extension of Notepad?  
 (A) .txt (B) .xls  
 (C) .ppt (D) .bmp
283. A computer is accurate, but if the result of a computation is false, what is the main reason for it?  
 (A) Power failure (B) The computer circuits  
 (C) Incorrect data entry (D) Distraction
284. Which of the following is equal to a gigabyte?  
 (A) 1024 bytes (B) 512 GB  
 (C) 1024 megabytes (D) 1024 bits
285. Which type of program acts as an intermediary between a user of a computer and the computer hardware?  
 (A) Operating system (B) User thread  
 (C) Superuser thread (D) Application program
286. What is the speed of computer measured in?  
 (A) Nanoseconds (B) Kilo-seconds  
 (C) Gigahertz (D) Megabytes
287. What is the full form of USB?  
 (A) Unshielded System Board (B) Universal System Board  
 (C) Unidentified System Bus (D) Universal System Bus



288. A box that can represent two different conditions.  
 (A) Rectangle  (B) Diamond  
 (C) Circle  (D) Parallelogram
289. A detailed flowchart is called \_\_\_\_\_.  
 (A) Stack  (B) Macro  
 (C) Micro  (D) Union
290. The term HTTP stands for?  
 (A) Hyper terminal tracing program  (B) Hypertext tracing protocol  
 (C) Hypertext transfer protocol  (D) Hypertext transfer program
291. Which software prevents the external access to a system?  
 (A) Firewall  (B) Gateway  
 (C) Router  (D) Virus checker
292. During the execution of the instructions, a copy of the instructions is placed in the \_\_\_\_\_.  
 (A) Register  (B) RAM  
 (C) System heap  (D) Cache
293. \_\_\_\_\_ is designed to solve a specific problem or to do a specific task.  
 (A) Application Software  (B) System Software  
 (C) Utility Software  (D) User
294. What do you call a program in execution?  
 (A) Command  (B) Process  
 (C) Task  (D) Instruction
295. Which of the following is not a computer language?  
 (A) MS - Excel  (B) BASIC  
 (C) COBOL  (D) C++
296. A program -  
 (A) is a sequence of instructions  
 (B) is the device where information is stored  
 (C) is a device that performs a sequence of operations specified by instructions in memory  
 (D) None of the above
297. Diagramatic or symbolic representation of an algorithm is called  
 (A) Data-Flow diagram  (B) E-R diagram  
 (C) Flowchart  (D) None of the above
298. C is a which level language?  
 (A) Low Level  (B) High Level  
 (C) Low + High  (D) None of the above
299. C language was invented to develop which Operating System?  
 (A) Android  (B) Linux  
 (C) Ubuntu  (D) Unix
300. What is the meaning of the term 'Processing'?  
 (A) Feeding the information  
 (B) Taking a printout from a printer  
 (C) Converting raw data into desire information  
 (D) Typing in keyboard