

BJE (CBRT)

PROVISIONAL ANSWER KEY

Name of the post Designated Officer, Class-2, Gandhinagar
Municipal Corporation

Advertisement No. 6/2024-25

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THE LINK FOR ONLINE OBJECTION SYSTEM WILL START FROM 14-11-2024; 04:00 PM ONWARDS

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 or submission through E- Mail 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, ટપાલ અથવા ઈ-મેઇલ દ્વારા આયોગની કચેરીએ મોકલવામાં આવેલ વાંધા-સૂચનો ધ્યાને લેવામાં 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 ન કરતા તમામ વાંધા-સૂચનો વેબસાઇટ પર પ્રસિધ્ધ થયેલ પ્રોવિઝનલ આન્સર કી (માસ્ટર પ્રશ્નપત્ર) ના પ્રશ્નક્રમાંક 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 ધ્યાને 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://gpsc.safevaults.in/login/>

001. યાર્લુંગ ઝાંગબો (Yarlung Zangbo) નદી ભારતમાં તરીકે ઓળખાય છે.
 (A) ગંગા (B) સિંધુ
 (C) બ્રહ્મપુત્રા (D) મહાનદી
002. સલાલ યોજના એ નદી ઉપર છે.
 (A) ચિનાબ (B) જેલમ
 (C) રાવી (D) સતલજ
003. ભારત પૃથ્વીની સપાટીના પ્રતિશત આવરી લે છે.
 (A) 2.4 (B) 3.4
 (C) 4.4 (D) 5.4
004. 15 ઓગષ્ટ, 2024ના રોજ ભારતેમો સ્વતંત્રતા દિવસ ઉજવ્યો.
 (A) 76 (B) 77
 (C) 78 (D) 79
005. 2011ની વસ્તી ગણતરી અનુસાર,
 1. ગુજરાતમાં વસ્તીની ગીચતા 308 પ્રતિ ચોરસ કિલોમીટર છે.
 2. ગુજરાતમાં લિંગ ગુણોત્તર 918 (આશરે) છે.
 3. ગુજરાતમાં સાક્ષરતા દર 87.3 (આશરે) છે.
 ઉપરના પૈકી કયા વિધાનો સત્ય છે ?
 (A) માત્ર 1 અને 2 (B) માત્ર 2 અને 3
 (C) માત્ર 1 અને 3 (D) 1, 2 તથા 3 તમામ સત્ય છે.
006. આપણા રાષ્ટ્ર ધ્વજની પહોળાઈનો તેની લંબાઈ સાથેનો ગુણોત્તર છે.
 (A) 3:5 (B) 2:3
 (C) 2:4 (D) 3:4
007. ભારતના પ્રતીકની તક્તીની નીચે અંકિત કરેલ શબ્દો 'સત્યમેવ જયતે' શેમાંથી લેવામાં આવ્યા છે ?
 (A) ઋગ્વેદ (B) સતપથ બ્રાહ્મણ
 (C) મુંડક ઉપનિષદ (D) રામાયણ
008. નીચેના પૈકી કયું પુસ્તક એ પારસીઓનો પવિત્ર ગ્રંથ છે ?
 (A) ગીતા (Gita) (B) તોરાહ (Torah)
 (C) બાઈબલ (Bible) (D) ઝંદ અવેસ્તા (Zend Avesta)
009. લોક ચિત્રકળાની 'મધુબની' શૈલી ભારતમાં નીચેના પૈકી કયા રાજ્યમાં લોકપ્રિય છે ?
 (A) ઉત્તર પ્રદેશ (B) રાજસ્થાન
 (C) મધ્યપ્રદેશ (D) બિહાર
010. કુસુમ વિલાસ પેલેસ (મહેલ) એ ખાતે સ્થિત છે.
 (A) છોટા ઉદેપુર (B) વડોદરા
 (C) મોરબી (D) વેરાવળ

001. The Yarlung Zangbo river, in India, is known as
(A) Ganga (B) Indus
(C) Brahmaputra (D) Mahanadi
002. The Salal Project is on the river
(A) Chenab (B) Jhelum
(C) Ravi (D) Sutlej
003. The percentage of earth surface covered by India is
(A) 2.4 (B) 3.4
(C) 4.4 (D) 5.4
004. India Celebrated, _____th Independence Day on, 15 August, 2024. Fill in the Gap
(A) 76 (B) 77
(C) 78 (D) 79
005. As per census 2011,
1. Density of population in Gujarat is 308 persons / km²
2. Sex ratio of Gujarat is 918 (App.)
3. Literacy rate of Gujarat is 87.3 (App.)
Which of the above mentioned statements are correct?
(A) only 1 and 2 (B) only 2 and 3
(C) only 1 and 3 (D) 1, 2 and 3 all are correct
006. The ratio of width of our National Hag to its length is
(A) 3:5 (B) 2:3
(C) 2:4 (D) 3:4
007. The words 'Satyameva Jayate' inscribed below the base plate of the emblem of India are taken from
(A) Rigveda (B) Satpath Brahmana
(C) Mundak Upanishad (D) Ramayana
008. Which is Holy book of Parsis?
(A) Gita (B) Torah
(C) Bible (D) Zend Avesta
009. 'Madhubani', a style of folk paintings, is popular in which of the following states in India?
(A) Uttar Pradesh (B) Rajasthan
(C) Madhya Pradesh (D) Bihar
010. Kusum Vilas Palace is located at
(A) Chotta Udepur (B) Vadodara
(C) Morbi (D) Veraval

011. સાહિત્ય અને કળાના મહાન આશ્રયદાતા રાજા ભોજ નીચેના પૈકી કયા રાજવંશના હતા ?
 (A) કારકોટી (Karkota) (B) ઉત્પલ (Utpala)
 (C) પરમાર (Parmara) (D) ગુર્જર પ્રતિહાર (Gurjar Pratihara)
012. બ્રિટીશ સામ્રાજ્યવાદ દરમ્યાન ભારતના આર્થિક ધોવાણ (economic drain of India) નો સિદ્ધાંત દ્વારા પ્રતિપાદિત કરવામાં આવ્યો હતો.
 (A) જવાહરલાલ નહેરૂ (B) દાદાભાઈ નવરોજી
 (C) આર. સી. દત્ત (D) એમ. કે. ગાંધી
013. પ્લાસીનું યુદ્ધમાં લડાયું હતું.
 (A) 1757 (B) 1782
 (C) 1748 (D) 1764
014. મુદ્દી સેવા માટેની સ્પર્ધાત્મક પરીક્ષાની પદ્ધતિનો સૈદ્ધાંતિક સ્વીકાર કયા વર્ષમાં કરવામાં આવ્યો હતો ?
 (A) 1833 (B) 1853
 (C) 1858 (D) 1882
015. વિજયનગરના શાસક કૃષ્ણદેવરાયની કૃતિ 'અમુક્ત માલ્યદા' એ ભાષામાં હતી.
 (A) સંસ્કૃત (B) તમિળ
 (C) કન્નડ (D) તેલુગુ
016. સૈન્યો, કે જે સમ્રાટ દ્વારા રચવામાં આવેલ હતા પરંતુ તેમને રાજ્ય દ્વારા સીધી ચૂકવણી કરવામાં આવતી ન હતી, અને તેમને 'માનસબદારો'ના હવાલે મૂકવામાં આવતા હતા, તે તરીકે ઓળખાતા હતા.
 (A) વાલાશાહી (Walashahi) (B) બારાવાર્ડી (Barawardi)
 (C) જેક્યુમાકી (Jcumaki) (D) દાખિલી (Dakhili)
017. નીચેના પૈકી કયા હવાઈ મથક ને 'જગદગુરૂ સંત તુકારામ મહારાજ હવાઈ મથક' તરીકે નામ બદલવા માટે આયોજન કરેલ છે ?
 (A) નાગપુર હવાઈ મથક (B) પુણે હવાઈ મથક
 (C) મુંબઈ હવાઈ મથક (D) ઔરંગાબાદ હવાઈ મથક
018. જ્યારે દેશ સ્વતંત્ર થયો ત્યારે સૌરાષ્ટ્ર સહિત, ગુજરાતમાં દેશી રજવાડા હતા. ખાલી જગ્યા પૂરો.
 (A) 365 (B) 366
 (C) 367 (D) 368
019. ભારતમાં કેન્દ્રીય બેંકીંગ કામગીરીઓ દ્વારા કરવામાં આવે છે.
 1. સેન્ટ્રલ બેંક ઓફ ઈન્ડિયા
 2. રીઝર્વ બેંક ઓફ ઈન્ડિયા
 3. સ્ટેટ બેંક ઓફ ઈન્ડિયા
 4. પંજાબ નેશનલ બેંક
 (A) 1, 2 (B) 2
 (C) 1 (D) 2, 3

011. To which of the following dynasties did King Bhoja, a great patron of literature and art belong?
- (A) Karkola (B) Utpala
(C) Paramara (D) Gurjara Pratihara
012. The theory of economic drain of India during British imperialism was propounded by
- (A) Jawaharlal Nehru (B) Dadabhai Naoroji
(C) R. C. Dutt (D) M. K. Gandhi
013. The Battle of Plassey was fought in
- (A) 1757 (B) 1782
(C) 1748 (D) 1764
014. The system of competitive examination for civil service was accepted in principle in the year
- (A) 1833 (B) 1853
(C) 1858 (D) 1882
015. The Vijayanagara ruler, Kirshnadev Raya's work Amukiamalyacla, was in
- (A) Sanskrit (B) Tamil
(C) Kannada (D) Telugu
016. The troops raised by the emperor but not paid directly by the state and placed under the charge of mansahadars were known as
- (A) Walashahi (B) Barawardi
(C) JCumaki (D) Dakhili
017. Which airport is set to be renamed "Jagadguru Sant Tukaram Maharaj Airport"?
- (A) Nagpur airport (B) Pune airport
(C) Mumbai airport (D) Aurangabad airport
018. When the country became independent, there were _____ princely states in Gujarat, including Saurashtra.
- (A) 365 (B) 366
(C) 367 (D) 368
019. The central banking functions in India are performed by the
1. Central Bank of India
 2. Reserve Bank of India
 3. State Bank of India
 4. Punjab National Bank
- (A) 1, 2 (B) 2
(C) 1 (D) 2, 3

020. ગીલ્ટ-એજ્ડ માર્કેટ (Gilt-edged market) નો અર્થ
 (A) બુલીયન માર્કેટ (bullion market)
 (B) સરકારી જામીનગીરીઓનું માર્કેટ (market of government securities)
 (C) ગુન્સ નું માર્કેટ (market of guns)
 (D) શુદ્ધ ધાતુઓનું માર્કેટ (market of pure metals)
021. ભારત માં સિક્કાની દશાંશ પદ્ધતિમાં પરિવર્તિત થઈ ગયું.
 (A) એપ્રિલ 1956 (B) એપ્રિલ 1957
 (C) એપ્રિલ 1958 (D) એપ્રિલ 1959
022. બંધારણ સભામાં ના રોજ બંધારણ સ્વીકારવામાં આવ્યું ઘડવામાં આવ્યું અને આપણને આપવામાં આવ્યું.
 (A) 26મી જાન્યુઆરી, 1949 (B) 26મી માર્ચ, 1949
 (C) 26મી ઓગષ્ટ, 1949 (D) 26મી નવેમ્બર, 1949
023. નીચે વિષયવસ્તુ અને કલમની જોડી આપેલ છે. કઈ જોડી યોગ્ય રીતે જોડાયેલી નથી ?
 (A) 14 - કાયદા સમક્ષ સમાનતા
 (B) 19 - વાણી સ્વાતંત્ર્ય વગેરે સંબંધી અમુક હકોનું રક્ષણ
 (C) 21 - જીવન અને વ્યક્તિગત સ્વતંત્રતાનું રક્ષણ
 (D) 25 - કારખાના વગેરેમાં બાળકોને નોકરીએ રાખવાનો પ્રતિબંધ
024. નીચે આપેલ વિષયવસ્તુ અને કલમોને રાજ્યનીતિના માર્ગદર્શક સિદ્ધાંતોમાં કરેલ ઉલ્લેખના આધારે ચકાસો.
 1. 39 - રાજ્યએ અનુસરવાની નીતિના અમુક સિદ્ધાંતો
 2. 44 - નાગરિકો માટે એક સમાન દીવાની કાયદા
 (A) માત્ર 1 સાચું છે. (B) માત્ર 2 સાચું છે.
 (C) 1 તથા 2 બંને સાચાં છે. (D) 1 તથા 2 બંને સાચા નથી.
025. સંઘની સંસદ એ ની બનેલી હશે.
 (A) રાષ્ટ્રપતિ (B) રાજ્યોની પરિષદ
 (C) લોકસભા (D) (A), (B) તથા (C) તમામ
026. જ્યારે સંસદની બેઠક ચાલુ ન હોય, ત્યારે રાષ્ટ્રપતિને વટહુકમો પ્રસિદ્ધ કરવાની સત્તા કઈ કલમ અંતર્ગત આપવામાં આવી છે ?
 (A) 120 (B) 121
 (C) 123 (D) 124
027. ના રોજ કેબીનેટે ઠરાવ પસાર કરીને આયોજન પંચના સ્થાને નવીન NITI આયોગ (National Institution for Transforming India)ની સ્થાપના કરી.
 (A) 1 જાન્યુઆરી 2015 (B) 1 જાન્યુઆરી 2016
 (C) 1 જાન્યુઆરી 2017 (D) 1 જાન્યુઆરી 2018
028. ન્યાયતંત્રને કારોબારીથી અલગ કરવા બાબતનો ઉલ્લેખ ભારતના બંધારણની કઈ કલમમાં કરવામાં આવેલ છે ?
 (A) 46 (B) 47
 (C) 49 (D) 50

020. Gilt-edged market means
 (A) bullion market
 (B) market of government securities
 (C) market of guns
 (D) market of pure metals
021. India changed over to the decimal system of coinage in
 (A) April 1956 (B) April 1957
 (C) April 1958 (D) April 1959
022. In the constituent assembly, this constitution was adopted enacted and given to ourselves on
 (A) 26th January, 1949 (B) 26th March, 1949
 (C) 26th August, 1949 (D) 26th November, 1949
023. The pairs showing the contents and the article are mentioned below. Which pair is not correct?
 (A) 14 - Equality before law.
 (B) 19 - Protection of certain rights regarding freedom of speech, etc.
 (C) 21 - Protection of life and personal liberty.
 (D) 25 - Prohibition of employment of children in factories, etc.
024. Evaluate the contents and the Articles mentioned in DIRECTIVE PRINCIPLES OF STATE POLICY.
 1. 39 - Certain principles of policy to be followed by the State.
 2. 44 - Uniform civil code for the citizens.
 (A) only 1 is correct (B) only 2 is correct
 (C) both 1 and 2 are correct (D) both 1 and 2 are not correct
025. A Parliament for the Union, shall consist of
 (A) the President (B) the Council of States
 (C) the House of the People (D) (A), (B) and (C) all
026. Power of President to promulgate Ordinances during recess of Parliament, is mentioned under which article?
 (A) 120 (B) 121
 (C) 123 (D) 124
027. On _____, a Cabinet resolution was passed, to replace the Planning Commission with the newly formed NITI Aayog. (National Institution for Transforming India)
 (A) 1 January 2015 (B) 1 January 2016
 (C) 1 January 2017 (D) 1 January 2018
028. Separation of judiciary from executive is mentioned, under which article of Indian constitution?
 (A) 46 (B) 47
 (C) 49 (D) 50

029. ચૂંટણીઓના દેખરેખ માર્ગદર્શન અને નિયંત્રણ એ ચૂંટણીપંચમાં નિહિત કરવા બાબતનો ઉલ્લેખ ભારતના બંધારણની કઈ કલમમાં કરવામાં આવેલ છે ?
- (A) 322 (B) 323
(C) 324 (D) 325
030. કેન્દ્રીય માહિતી આયોગની રચના ક્યારથી કરવામાં આવી ?
- (A) 12-10-2003 (B) 12-10-2004
(C) 12-10-2005 (D) 12-10-2006
031. હવામાં કયા વાયુની હાજરીને લીધે હવામાં પિત્તળ (Brass) એ રંગહીન થઈ જાય છે.
- (A) ઓક્સીજન (B) હાઈડ્રોજન સલ્ફાઈડ
(C) કાર્બન ડાયોક્સાઈડ (D) નાઈટ્રોજન
032. નીચેના પૈકી કોનું સામાન્ય નામ વોશીંગ સોડા છે ?
- (A) સોડીયમ કાર્બોનેટ (B) કેલ્શીયમ બાયકાર્બોનેટ
(C) સોડીયમ બાયકાર્બોનેટ (D) કેલ્શીયમ કાર્બોનેટ
033. ધ્વનિના કંપવિસ્તારને માપવાનો એકમ કયો છે ?
- (A) કુલંબ (Coulomb) (B) હમ (Hum)
(C) સાયકલ (Cycles) (D) ડેસીબલ (Decibel)
034. યુરેનિયમનો કયો સમસ્થાનિક એ શુભલા પ્રતિક્રિયાને ટકાવી રાખવાની ક્ષમતા ધરાવે છે ?
- (A) U-235 (B) U-245
(C) U-239 (D) U-238
035. Epoxy રેસીન એ તરીકે ઉપયોગમાં લેવાય છે.
- (A) ડીટરજન્ટ (detergents) (B) જંતુનાશક (insecticides)
(C) એડહેસીવ (adhesives) (D) પતંગીયા દૂર કરનાર (moth repellents)
036. MOV extension એ સામાન્ય રીતે કયા પ્રકારની ફાઈલના સંદર્ભમાં છે ?
- (A) Image ફાઈલ (B) Animation / movie ફાઈલ
(C) Audio ફાઈલ (D) MS ઓફિસ ડોક્યુમેન્ટ
037. VVVF નું પુરૂં નામ શું છે ?
- (A) Variant Voltage Vile Frequency (B) Variable Velocity Variable Fun
(C) Very Very Vicious Frequency (D) Variable Voltage Variable Frequency
038. વાતાવરણનું નીચેના પૈકી કયું સ્તર એ ઓઝોનનું સ્તર ધરાવે છે, કે જે પાર જાંબલી (Ultra violet) (UV) પ્રકાશનું શોષણ કરવા માટે જવાબદાર છે ?
- (A) ક્ષોભ મંડળ (Troposphere) (B) મધ્ય મંડળ (Mesosphere)
(C) સમતાપ મંડળ (Stratosphere) (D) ઉપરના પૈકી એક પણ નહીં
039. ભારત પાસે આદર્શ રીતે જંગલની જમીનની અંદાજિત ટકાવારી કેટલી હોવી જોઈએ ?
- (A) 15% (B) 50%
(C) 44% (D) 33%

029. The provision for Superintendence, direction and control of elections to be vested in an Election Commission, is mentioned which article of Indian Constitution?
(A) 322 (B) 323
(C) 324 (D) 325
030. The Central Information Commission has been constituted with effect from
(A) 12-10-2003 (B) 12-10-2004
(C) 12-10-2005 (D) 12-10-2006
031. Brass gets discoloured in air because of the presence of which of the following gases in air?
(A) Oxygen (B) Hydrogen sulphide
(C) Carbon dioxide (D) Nitrogen
032. Washing soda is the common name for
(A) Sodium carbonate (B) Calcium bicarbonate
(C) Sodium bicarbonate (D) Calcium carbonate
033. What is the unit for measuring the amplitude of a sound?
(A) Coulomb (B) Hum
(C) Cycles (D) Decibel
034. The isotope of uranium capable of sustaining chain reaction is
(A) U-235 (B) U-245
(C) U-239 (D) U-238
035. Epoxy resins are used as
(A) detergents (B) insecticides
(C) adhesives (D) moth repellents
036. MOV extension refers usually to what kind of file?
(A) Image file (B) Animation/movie file
(C) Audio file (D) MS Office document
037. What does VVVF stand for?
(A) Variant Voltage Variable Frequency (B) Variable Velocity Variable Fun
(C) Very Very Vicious Frequency (D) Invariable Voltage Variable Frequency
038. Which of these layers of the atmosphere consists of the ozone layer that is responsible for absorbing the Ultra-Violet (UV) light?
(A) Troposphere (B) Mesosphere
(C) Stratosphere (D) None of these
039. What is the estimated percentage of forest land that India should ideally have?
(A) 15% (B) 50%
(C) 44% (D) 33%

040. ચા અથવા કોફીના છોડ સ્ત્રોત સાથે કયો કેફી પદાર્થ સંકળાયેલો છે ?
 (A) કપૂર (Camphor) (B) કેફીન (Caffeine)
 (C) ધતૂરા (Thorn apple) (D) અફીણ (Opium Poppy)
041. નીચેના પૈકી કઈ ભારતીય ટેનીસ જોડીએ હંગઝાઉ (Hangzhou) ઓપન 2024 પુરૂષનો ડબલ ખિતાબ જીત્યો ?
 (A) જીવન નેહનચેઝિયાન અને વિજય સુંદર પ્રશાંત
 (B) રોહન બોપન્ના અને મહેશ ભૂપતિ
 (C) લીએન્ડર પેસ અને સુમિત નાગલ
 (D) પુરવ રાજા અને દિવિજ શરણ
042. ખેડૂતો અને ઉદ્યોગ સાહસિકોને સહાય અર્થે ભારતના કયા રાજ્યએ 'બના કૈહ' (Bana Kaih) યોજના લાગુ કરી ?
 (A) નાગાલેન્ડ (B) મિઝોરમ
 (C) આસામ (D) મેઘાલય
043. 55મો ઈન્ટરનેશન ફિલ્મ ફેસ્ટિવલ ઓફ ઈન્ડિયા (IFFI) ક્યાં યોજાનાર છે ?
 (A) મુંબઈ (B) નવી દિલ્હી
 (C) ચેન્નાઈ (D) ગોવા
044. કૃષિ રોકાણ પોર્ટલ (Krishi Nivesh Portal) નો પ્રાથમિક હેતુ શું છે ?
 (A) કૃષિ રોકાણ અને ખેડૂત સહાય
 (B) પાક ઉપજમાં વધારો
 (C) ખેડૂતોને આબોહવાની અદ્યતન માહિતી આપવી
 (D) કૃષિ ઉત્પાદનોના આંતરરાષ્ટ્રીય વેપારની સુવિધા
045. કઈ મુખ્ય બેંક પાર્ટનરશીપ ફોર કાર્બન એકાઉન્ટીંગ ફાઈનાન્સીયલ્સ (PCAF)માં જોડાનાર સૌપ્રથમ છે ?
 (A) સ્ટેટ બેંક ઓફ ઈન્ડિયા (B) યુનિયન બેંક ઓફ ઈન્ડિયા
 (C) પંજાબ નેશનલ બેંક (D) ICICI બેંક
046. જલદાપાડા રાષ્ટ્રીય ઉદ્યાન (Jaldapara National Park) કયા રાજ્યમાં સ્થિત છે ?
 (A) આસામ (B) પશ્ચિમ બંગાળ
 (C) મધ્યપ્રદેશ (D) ઓરિસ્સા
047. Nadi ઉત્સવ 2024નું ઉદ્ઘાટન ક્યાં કરવામાં આવ્યું ?
 (A) મુંબઈ (B) નવી દિલ્હી
 (C) કોલકત્તા (D) બેંગાલૂરુ
048. કુસ્તીમાં ઓલિમ્પીક મેડલ જીતનાર પ્રથમ ભારતીય મહિલા કોણ હતી ?
 (A) વિનેશ ફોગટ (B) ગીતા ફોગટ
 (C) સાક્ષી મલિક (D) બબીતા કુમારી
049. એકલવ્ય પુરસ્કાર માટે પસંદગી પામેલ તરવૈયા પ્રાત્યસા રાય એ કયા રાજ્યના છે ?
 (A) મહારાષ્ટ્ર (B) કેરળ
 (C) ઓરિસ્સા (D) પશ્ચિમ બંગાળ
050. રોબોટીક આસીસ્ટેડ સર્જરી પ્રશિક્ષણ કેન્દ્રની સ્થાપના કરવા માટે કઈ સંસ્થાએ Intuitive સાથે ભાગીદારી કરી છે ?
 (A) AIIMS દિલ્હી (B) AIIMS ભોપાલ
 (C) AIIMS નાગપુર (D) AIIMS પટણા

040. Which drug is associated with the tea or coffee plant source?
(A) Camphor (B) Caffeine
(C) Thorn Apple (D) Opium Poppy
041. Which Indian tennis duo won the Hangzhou Open 2024 men's doubles title?
(A) Jeevan Nedunchezhiyan and Vijay Sundar Prashanth
(B) Rohan Bopanna and Mahesh Bhupathi
(C) Leander Paes and Sumit Nagal
(D) Purav Raja and Divij Sharan
042. In which Indian state was the 'Bana Kaih' scheme launched to support farmers and entrepreneurs?
(A) Nagaland (B) Mizoram
(C) Assam (D) Meghalaya
043. Where will the 55th International Film Festival of India (IFFI) take place?
(A) Mumbai (B) New Delhi
(C) Chennai (D) Goa
044. What is the primary purpose of the Krishi Nivesh Portal?
(A) Agricultural investments and support farmers
(B) Increasing crop yield
(C) Providing weather updates to farmers
(D) Facilitating international trade of agricultural products
045. Which major bank became the first to join the Partnership for Carbon Accounting Financials (PCAF)?
(A) State Bank of India (B) Union Bank of India
(C) Punjab National Bank (D) ICICI Bank
046. In which state is Jaldapara National Park, located?
(A) Assam (B) West Bengal
(C) Madhya Pradesh (D) Odisha
047. Where was Nadi Utsav 2024 inaugurated?
(A) Mumbai (B) New Delhi
(C) Kolkata (D) Bengaluru
048. Who was the first Indian woman to win an Olympic medal in wrestling?
(A) Vinesh Phogat (B) Geeta Phogat
(C) Sakshi Malik (D) Babita Kumari
049. Which state is swimmer Pratyasa Ray from, who has been selected for the Ekalabya Puraskar?
(A) Maharashtra (B) Kerala
(C) Odisha (D) West Bengal
050. Which institution has partnered with Intuitive to establish a robotic-assisted surgery training centre?
(A) AIIMS Delhi (B) AIIMS Bhopal
(C) AIIMS Nagpur (D) AIIMS Patna

051. પ્રશ્નમાં એક રેખાંકિત શબ્દ છે અને ત્યારબાદ ચાર જવાબોની પસંદગી છે. રેખાંકિત શબ્દનો આવશ્યક ભાગ છે. તે શબ્દ પસંદ કરો.

લણણી

- (A) પાનખર (B) સ્ટોકપાઈલ
(C) ટ્રેક્ટર (D) પાક

052. આ શ્રેણીમાં 7, 10, 8, 11, 9, 12, ... આગળ કયો નંબર આવવો જોઈએ ?

- (A) 7 (B) 10
(C) 12 (D) 13

053. દરેક 3 વર્ષના અંતરાલમાં જન્મેલા 5 બાળકોની ઉંમરનો સરવાળો 50 વર્ષ છે. સૌથી નાના બાળકની ઉંમર કેટલી હશે ?

- (A) 4 વર્ષ (B) 8 વર્ષ
(C) 10 વર્ષ (D) ઉપરોક્ત પૈકી એક પણ નહીં

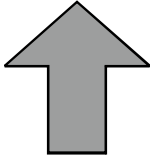
054. પિતાની ઉંમર તેમના પુત્ર રોનિત કરતા ત્રણ ગણી વધારે છે. 8 વર્ષ પછી તે રોનિતની ઉંમર કરતાં અઠી ગણો હશે. વધુ 8 વર્ષ પછી તે રોનિતની ઉંમરના કેટલા ગણા હશે ?

- (A) 2 ગણા (B) 2.5 ગણા
(C) 2.75 ગણા (D) 3 ગણા

055. આજે સોમવાર છે. 61 દિવસ પછી કયો વાર હશે ?

- (A) બુધવાર (B) શનિવાર
(C) મંગળવાર (D) ગુરુવાર

056. નીચેના આકૃતિ = આકારમાં કેટલા ખૂણા છે ?



- (A) 5 (B) 6
(C) 7 (D) 8

057. લંબચોરસની પરિમિત 20 સે.મી. છે જો લંબચોરસની લંબાઈ 6 સે.મી. હોય તો તેની પહોળાઈ કેટલી હશે ?

- (A) 4 સે.મી (B) 6 સે.મી.
(C) 10 સે.મી. (D) 14 સે.મી.

058. A અને B મળીને રૂ. 1201 ધરાવે છે. જો A ની રકમનો $(4/15)$, B ની રકમના $(2/5)$ બરાબર હોય, તો B પાસે કેટલી રકમ છે ?

- (A) રૂ. 460 (B) રૂ. 484
(C) રૂ. 550 (D) રૂ. 664

059. A, B, C નો પગાર 2:3:5 ગુણોત્તરમાં છે. જો તેમના પગારમાં વધારો અનુક્રમે 15%, 10% અને 20% નો વધારો થાય તો તેમના પગારનો નવો ગુણોત્તર શું હશે ?

- (A) 3:3:10 (B) 10:11:20
(C) 23:33:60 (D) નિર્ધારિત કરી શકાતું નથી

051. The question has an underlined word followed by four answer choices. You will choose the word that is a necessary part of the underlined word.

harvest

- (A) autumn (B) stockpile
(C) tractor (D) crop

052. Look at this series: 7, 10, 8, 11, 9, 12, ... What number should come next?

- (A) 7 (B) 10
(C) 12 (D) 13

053. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

- (A) 4 years (B) 8 years
(C) 10 years (D) None of these

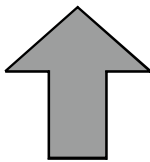
054. Father is aged three times more than his son Ronit. After 8 years, he would be two and a half times of Ronit's age. After further 8 years, how many times would he be of Ronit's age?

- (A) 2 times (B) 2.5 times
(C) 2.75 times (D) 3 times

055. Today is Monday. After 61 days, it will be:

- (A) Wednesday (B) Saturday
(C) Tuesday (D) Thursday

056. How many corners are there in the following shape?



- (A) 5 (B) 6
(C) 7 (D) 8

057. The perimeter of the rectangle is 20 cm. If the length of the rectangle is 6 cm, then its breadth will be:

- (A) 4 cm (B) 6 cm
(C) 10 cm (D) 14 cm

058. A and B together have Rs. 1210. If $(4/15)$ of A's amount is equal to $(2/5)$ of B's amount, how much amount does B have?

- (A) Rs. 460 (B) Rs. 484
(C) Rs. 550 (D) Rs. 664

059. The salaries A, B, C are in the ratio 2:3:5. If the increments of 15%, 10% and 20% are allowed respectively in their Salaries, then what will be new ratio of their salaries?

- (A) 3:3:10 (B) 10:11:20
(C) 23:33:60 (D) Cannot be determined

060. એવી સૌથી મોટી સંખ્યા શોધો જે 43, 91 અને 183 ને વિભાજિત કરશે જેથી દરેક કિસ્સામાં સમાન બાકી રહે ?
 (A) 4 (B) 7
 (C) 9 (D) 13
061. બે વિદ્યાર્થીઓએ પરીક્ષા આપી હતી તેમાંથી એકે બીજા કરતા 9 ગુણ વધુ મેળવ્યા હતા અને તેના ગુણ તેઓના ગુણના સરવાળાના 56% હતા. તેમના દ્વારા મેળવેલ ગુણ આ પ્રમાણે છે.
 (A) 39, 30 (B) 41, 32
 (C) 42, 33 (D) 43, 34
062. નાણાની રકમ સાદા વ્યાજે 3 વર્ષમાં રૂ. 815 અને 4 વર્ષમાં 854 થાય છે. મુદ્દલ રકમ કેટલી હશે ?
 (A) રૂ. 650 (B) રૂ. 690
 (C) રૂ. 698 (D) રૂ. 700
063. A, B અને C અનુક્રમે 20, 30 અને 60 દિવસમાં એક કાર્ય કરી શકે છે. દર ત્રીજા દિવસે B અને C દ્વારા મદદ કરવામાં આવે તો A કેટલા દિવસમાં કામ કરી શકે ?
 (A) 12 દિવસ (B) 15 દિવસ
 (C) 16 દિવસ (D) 18 દિવસ
064. એક વ્યક્તિ 5 મિનિટમાં 600 મીટર લાંબી શેરી પાર કરે છે. પ્રતિ કલાકમાં તેની ઝડપ કેટલી કિ.મી. હશે ?
 (A) 3.6 (B) 7.2
 (C) 8.4 (D) 10
065. 60 કિમી/કલાકની ઝડપે દોડતી ટ્રેન 9 સેકન્ડમાં પોલ પાર કરે છે. ટ્રેનની લંબાઈ કેટલી હશે ?
 (A) 120 મીટર (B) 180 મીટર
 (C) 324 મીટર (D) 150 મીટર
066. એક જમીનમાં 5 સેમી વરસાદ પડે છે. 1.5 હેક્ટર જમીન પર કેટલું પાણી પડેલ હશે ?
 (A) 75 cu. m (B) 750 cu. m
 (C) 7500 cu. m (D) 75000 cu. m
067. રાઈટ એન્ગલ ટ્રાઈએન્ગલ A right-angled triable જેની બાજુઓની લંબાઈ 21 સેમી, 20 સેમી છે, ત્રીજી બાજુની લંબાઈ શોધો.
 (A) 19 (B) 23
 (C) 29 (D) 33
068. મૂલ્યાંકન કરો : $2 + 4 \div (22 + 6) \times 2$.
 (A) 16/7 (B) 21/8
 (C) 19/9 (D) 23/11
069. બિગ ડેટા વિશ્લેષણ, નીચેના સિવાય શું કરે છે ?
 (A) ડેટા એકત્રિત કરે છે. (B) ડેટા ફેલાવે છે.
 (C) ડેટા ગોઠવે છે. (D) ડેટાનું વિશ્લેષણ કરે છે.
070. આ શ્રેણીમાં 3, 4, 7, 8, 11, 12, ... આગળ કયો નંબર આવવો જોઈએ ?
 (A) 7 (B) 10
 (C) 14 (D) 15

060. Find the greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each case.
 (A) 4 (B) 7
 (C) 9 (D) 13
061. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:
 (A) 39, 30 (B) 41, 32
 (C) 42, 33 (D) 43, 34
062. A sum of money, at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The principal amount is:
 (A) Rs. 650 (B) Rs. 690
 (C) Rs. 698 (D) Rs. 700
063. A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?
 (A) 12 days (B) 15 days
 (C) 16 days (D) 18 days
064. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?
 (A) 3.6 (B) 7.2
 (C) 8.4 (D) 10
065. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?
 (A) 120 meters (B) 180 meters
 (C) 324 meters (D) 150 meters
066. 5 cm of rain falls in a ground, The volume of water that falls on 1.5 hectares of ground is:
 (A) 75 cu. m (B) 750 cu. m
 (C) 7500 cu. m (D) 75000 cu. m
067. A right-angled triangle whose sides are of length 21 cm, 20 cm, find the length of third side:
 (A) 19 (B) 23
 (C) 29 (D) 33
068. Evaluate: $2 + 4 \div (22 + 6) \times 2$.
 (A) 16/7 (B) 21/8
 (C) 19/9 (D) 23/11
069. Big data analysis does the following, except
 (A) Collects data (B) Spreads data
 (C) Organizes data (D) Analyses data
070. Look at this series: 3, 4, 7, 8, 11, 12, ... What number should come next?
 (A) 7 (B) 10
 (C) 14 (D) 15

071. એક સચોટ ઘડિયાળ સવારના 8 વાગ્યા દર્શાવે છે. જ્યારે ઘડિયાળ બપોરે 2 વાગ્યા દર્શાવશે ત્યારે કલાકનો હાથ (the hour hand) કેટલા અંશ ફરશે ?
- (A) 144° (B) 150°
(C) 168° (D) 180°
072. જો સંખ્યાના ચોથા ભાગનો એક તૃતીયાંશ 15 હોય તો તે સંખ્યાનો ત્રણ-દસમો ભાગ કેટલો હશે ?
- (A) 35 (B) 36
(C) 45 (D) 54
073. 60 લિટર મિશ્રણમાં દૂધ અને પાણીનો ગુણોત્તર 2 : 1 છે. જો આ ગુણોત્તર 1 : 2 હોય, તો પાણીનો કેટલો જથ્થો વધુ ઉમેરવાનો છે ?
- (A) 20 લિટર (B) 30 લિટર
(C) 40 લિટર (D) 60 લિટર
074. એક વ્યક્તિ પાસે એક રૂપિયાની નોટ, પાંચ રૂપિયાની નોટ અને દસ રૂપિયાની નોટોના મૂલ્યમાં રૂ. 480 છે. દરેક પ્રકારની નોટોની સંખ્યા સમાન છે. તેની પાસે કુલ કેટલી નોટ છે ?
- (A) 45 (B) 60
(C) 75 (D) 90
075. 2, 3, 5, 6, 7 અને 9 અંકોમાંથી કેટલી 3 અંગની સંખ્યાઓ બની શકે છે, જે 5 વડે ભાગી શકાય છે અને કોઈ પણ અંકનું પુનરાવર્તન થતું નથી ?
- (A) 5 (B) 10
(C) 15 (D) 20
076. નીચેનામાંથી કોના સૌથી વધુ વિભાજકો (divisors) છે ?
- (A) 99 (B) 101
(C) 176 (D) 182
077. સ્ટેશનના પ્લેટફોર્મ પરથી ટ્રેન 36 સેકન્ડમાં પસાર થાય છે અને પ્લેટફોર્મ પર ઊભેલો માણસ 20 સેકન્ડમાં. જો ટ્રેનની ઝડપ 54 કિમી/કલાક હોય, તો પ્લેટફોર્મની લંબાઈ કેટલી છે ?
- (A) 120 મી (B) 240 મી
(C) 300 મી (D) 360 મી
078. 66 ઘન સેન્ટીમીટર ચાંદીનો ઉપયોગ 1 મીમી વ્યાસનો વાયર બનાવવા માટે થાય છે. તો મીટરમાં વાયરની લંબાઈ કેટલી હશે ?
- (A) 84 (B) 90
(C) 168 (D) 336
079. બિગ ડેટાના ચાર V શું છે ?
- (A) વોલ્યુમ (Volume) (B) વેગ (Velocity)
(C) વિવિધતા (Variety) (D) ઉપરોક્ત તમામ (All the above)
080. મૂલ્યાંકન કરો : $\{15 \times 32 \div 2 \times 5\} \div 75$
- (A) 12 (B) 14
(C) 15 (D) 16

071. An accurate clock shows 8 o'clock in the morning. Through how many degree will the hour hand rotate when the clock shows 2 o'clock in the afternoon?
- (A) 144° (B) 150°
 (C) 168° (D) 180°
072. If one-third of one-fourth of a number is 15, then three-tenth of that number is:
- (A) 35 (B) 36
 (C) 45 (D) 54
073. In a mixture 60 liters, the ratio of milk and water 2:1, If this ratio is to be 1:2, then the quantity of water to be further added is:
- (A) 20 litres (B) 30 litres
 (C) 40 litres (D) 60 litres
074. A man has Rs. 480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the number of notes that he has?
- (A) 45 (B) 60
 (C) 75 (D) 90
075. How many 3-digit numbers can be formed from the digits 2, 3, 5, 6, 7 and 9, which are divisible by 5 and none of the digits is repeated?
- (A) 5 (B) 10
 (C) 15 (D) 20
076. Which of the following has the most number of divisors?
- (A) 99 (B) 101
 (C) 176 (D) 182
077. A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of the platform?
- (A) 120 m (B) 240 m
 (C) 300 m (D) 360 m
078. 66 cubic centimetres of silver is drawn into a wire 1 mm in diameter. The length of the wire in metres will be:
- (A) 84 (B) 90
 (C) 168 (D) 336
079. What are the four V's of Big Data?
- (A) Volume (B) Velocity
 (C) Variety (D) All the above
080. Evaluate: $\{15 \times 32 + 2 \times 5\} \div 75$
- (A) 12 (B) 14
 (C) 15 (D) 16

081. બધી જોડણી સાચી હોય તેવો વિકલ્પ પસંદ કરો.

1. શૈથિલ્ય, શિથિલતા, મંદતા, ઢીલાશ
2. સંપ્રતીત, સંપ્રતિ, સંપ્રીતિ, સંપૃક્ત
3. હરીદાર, હરિશ્વર, હરીફ, હરિહર
4. વેચાવ, વૈતાલીક, વૈખાનશ, વૈતાળીય

(A) ફક્ત 1 સાચું છે.

(B) ફક્ત 2 સાચું છે.

(C) ફક્ત 1 અને 2 સાચા છે.

(D) ફક્ત 2 અને 3 સાચા છે.

082. નીચે આપેલાં જૂથ ધ્યાને લઈ સમાનાર્થી શબ્દો વિશે યોગ્ય વિકલ્પ પસંદ કરો.

1. પ્રાવૃષ, ચોમાસું, પ્રાતુસકાળ, વર્ષાઋતુ
2. પ્રાવૃષ, સવાર, પ્રાતુસકાળ, પરોઢ
3. પ્રાઘુણ, પરોણો, મહેમાન, અતિથિ
4. ભૂર, ખૂબ, પુષ્કળ, ફૂરિ

(A) ફક્ત 1 અને 2 યોગ્ય છે.

(B) ફક્ત 3 અને 4 યોગ્ય છે.

(C) ફક્ત 1, 3 અને 4 યોગ્ય છે.

(D) 1, 2, 3 અને 4 યોગ્ય છે.

083. નીચે આપેલાં જૂથ ધ્યાને લઈ વિરુદ્ધાર્થી શબ્દો વિશે યોગ્ય વિકલ્પ પસંદ કરો.

1. નિજાનંદ × પરમાનંદ
2. સંપન્ન × વિપન્ન
3. વિબુદ્ધ × સુષુપ્ત
4. વિભાજક × સંયોજક

(A) ફક્ત 4 યોગ્ય છે.

(B) ફક્ત 1 અને 2 યોગ્ય છે.

(C) 2, 3 અને 4 બધા જ યોગ્ય છે.

(D) ફક્ત 3 અને 4 યોગ્ય છે.

084. નીચે આપેલા રૂઢિપ્રયોગ અને તેના અર્થ માટે યોગ્ય વિકલ્પ પસંદ કરો.

રૂઢિપ્રયોગ

અર્થ

- | | | |
|-----------------------|---|----------------------------|
| 1. પાઘડી નીચી કરવી | — | કાલાવાલા કરવા |
| 2. પાઘડી મૂકીને આવવું | — | છેતરાઈને આવવું |
| 3. અવળી પાઘડી મૂકવી | — | બેશરમ થવું |
| 4. પાઘડીનો ધણી | — | વહેવાર કે વેપારમાં માનવંતો |

(A) ફક્ત 1, 2 અને 4 યોગ્ય છે.

(B) ફક્ત 2 અને 3 યોગ્ય છે.

(C) ફક્ત 2, 3 અને 4 યોગ્ય છે.

(D) 1, 2, 3 અને 4 બધા જ યોગ્ય છે.

085. નીચે આપેલી કહેવતોને ધ્યાને લઈ તેના વિશે યોગ્ય વિકલ્પ પસંદ કરો.

1. વસુ વિના નર પશુ
2. નાણા વિનાનો નાથિયો, નાણે નાથાલાલ
3. જર ગયો ને જૈબ ગયો
4. જર, જમીન અને જોરુ, ત્રણેય કજિયાના છોરું

(A) 3 અને 4 સમાનાર્થી કહેવતો છે, 1 અને 4 વરુદ્ધાર્થી કહેવતો છે.

(B) 1 અને 2 સમાનાર્થી કહેવતો છે, 2 અને 4 વરુદ્ધાર્થી કહેવતો છે.

(C) 1 અને 4 સમાનાર્થી કહેવતો છે, 2 અને 3 વરુદ્ધાર્થી કહેવતો છે.

(D) 1 અને 3 સમાનાર્થી કહેવતો છે, 1 અને 2 વરુદ્ધાર્થી કહેવતો છે.

086. નીચે આપેલા સામાસિક શબ્દ અને તેના પ્રકાર વિશે યોગ્ય વિકલ્પ પસંદ કરો.

સામાસિક શબ્દ	પ્રકાર
1. વંશવારસ	— તત્પુરુષ સમાસ
2. ગણેશવંદના	— દ્વંદ્વ સમાસ
3. વ્યોમસર	— કર્મધારય સમાસ
4. ઘરભંગ	— ઉપપદ સમાસ

(A) ફક્ત 1 અને 3 યોગ્ય છે.

(B) ફક્ત 2 અને 3 યોગ્ય છે.

(C) ફક્ત 3 અને 4 યોગ્ય છે.

(D) 1, 2, 3 અને 4 બધા જ યોગ્ય છે.

087. નીચે આપેલી સંધિ વિશે યોગ્ય વિકલ્પ પસંદ કરો.

1. અનુ + ઉત્તર = અનુતર
2. ભાષ + આંતર = ભાષાંતર
3. પરોપ + કાર = પરોપકાર
4. ચિંતા + તુર = ચિંતાતુર

(A) ફક્ત 1 અને 4 સાચા છે.

(B) ફક્ત 2 અને 3 સાચા છે.

(C) 1, 2, 3 અને 4 બધા જ સાચા છે.

(D) 1, 2, 3 અને 4 બધા જ ખોટા છે.

088. નીચે આપેલી કાવ્ય-પંક્તિને ધ્યાને લઈ એના છંદના પ્રકારનો યોગ્ય વિકલ્પ પસંદ કરો.

1. 'ભવતુ ! ભવતુ ! દેવી ! વિશ્વ છોને વિસારે,
પણ સુરગણ તારી નિત્ય કીર્તિ ઉચારે.'
2. 'પ્રમુદિત થઈને સુણી રહે એ
અનુભવતો કંઈ એ ભાવ નવીન.'
3. 'ભજો ભવતારણ શ્રી ભગવાન,
તજો નિજ અંતરનું અભિમાન.'
4. 'કૃતાર્થ નેણે નિરખી રહી વદે,
સહીશ શી રીત વિયોગ દેવિ હું.'

- (A) 1. માલિની, 2. પુષ્પિતાગ્રા, 3. મોતીદામ, 4. વંશસ્થ
(B) 1. માલિની, 2. પુષ્પિતાગ્રા, 3. વંશસ્થ, 4. મોતીદામ
(C) 1. માલિની, 2. મોતીદામ, 3. પુષ્પિતાગ્રા, 4. વંશસ્થ
(D) 1. માલિની, 2. વંશસ્થ, 3. મોતીદામ, 4. પુષ્પિતાગ્રા

089. નીચે આપેલી કાવ્ય-પંક્તિને ધ્યાને લઈ એના અલંકારના પ્રકાર માટે યોગ્ય વિકલ્પ પસંદ કરો.

1. એનાં ચકળવકળ થતાં નેણ રખે માછલીઓ હલમલતી.
2. ધૃતિ જે તને જીવાડતી, ધૃતિ તે તને સંહારતી, જે પોષતું તે મારતું એ કમ દીસે છે કુદરતી.
3. માછલીની ઘોડે તે સાગરમાં સેલ્વારા મારે છે.
4. કામિની-કોકિલા કેલી કૂજન કરે.

- (A) 1. સજ્જારોપણ, 2. શ્લેષ, 3. સ્વભાવોક્તિ, 4. વર્ણાનુપ્રાસ
(B) 1. ઉત્પ્રેક્ષા, 2. શ્લેષ, 3. દૃષ્ટાંત, 4. રૂપક
(C) 1. સજ્જારોપણ, 2. યમક, 3. ઉપમા, 4. વર્ણાનુપ્રાસ
(D) 1. ઉત્પ્રેક્ષા, 2. અર્થાન્તરન્યાસ, 3. ઉપમા, 4. રૂપક

090. નીચેની વિગતોને ધ્યાને લઈ યોગ્ય વિકલ્પ પસંદ કરો.

1. સુ + ઉક્તિ = સુક્તિ
2. 'સાંભળી શિયાળ બોલ્યુ દાખે દલપતરામ, અન્યનું તો એક વાંકું આપનાં અઢાર છે.' – મનહર
3. વરાળચંત્ર – તત્પુરૂષ સમાસ
4. વડ એવા ટેટા, બાપ એવા બેટા. – દૃષ્ટાંત અલંકાર

- (A) ફક્ત 1 અને 2 સાચા છે. (B) ફક્ત 1, 2 અને 3 સાચા છે.
(C) ફક્ત 2 અને 4 સાચા છે. (D) ફક્ત 4 સાચું છે.

091. The food was distributed _____ ten students.
 (A) Between (B) among
 (C) through (D) within
092. The major along with his soldiers were killed in the field. (Spot the error)
 (A) The major (B) along with
 (C) his soldiers (D) were killed in the field
 (E) No error
093. A book is a book, although there is nothing in it. Which of the following is the 'conjunction' in the above sentence?
 (A) Book (B) is
 (C) although (D) nothing
094. He _____ not take such a step.
 (A) fare (B) dares
 (C) dare (D) eares
095. Rama ordered Arjun to go away. (Turn into direct speech)
 (A) Rama ordered Arjun, go away. (B) Rama said, "Arjun go away."
 (C) Rama said to Arjun, "Go away." (D) Rama ordered to Arjun to go away.
096. _____ horse is a noble animal.
 (A) A (B) An
 (C) The (D) Zero Article
097. Identify the adjective in the following sentence:
 "Calcutta is a large city."
 (A) Calcutta (B) large
 (C) city (D) is
098. _____ when have you been playing?
 (A) For (B) From
 (C) Since (D) Till
099. He took away my books, yet I have been left with _____.
 (A) few (B) little
 (C) a few (D) a little
100. I don't have _____ money left.
 (A) many (B) little
 (C) few (D) any

101. Which of the following artificial sweetener is not approved by FSSA(I) for its use in food products.
- (A) Aspartame (B) Acesulfame K
(C) Cyclamate (D) Saccharine
102. Chinese restaurant syndrome is caused by
- (A) 5'- Nucleotides (B) Monosodium glutamate
(C) Maltol (D) Saccharine
103. Major contributor for bitterness in cocoa is
- (A) Theobromine (B) Caffein
(C) Quinine (D) Atropine
104. Which of the following artificial sweetener having highest sweetness as compared to sucrose?
- (A) Aspartame (B) Neotame
(C) Saccharin (D) Cyclamates
105. Which of the following is a major sterol present in animal products?
- (A) Cholesterol (B) Lanosterol
(C) Phytosterol (D) Sitosterol
106. Which of the following effects make amines more basic than ammonia?
- (A) Inductive (B) Electrostatic
(C) Resonating (D) Polarising
107. The principal flavouring compound in yoghurt is
- (A) Acetaldehyde (B) Formaldehyde
(C) Propanol (D) Methanol
108. Microorganisms able to grow on dry foods are called as
- (A) Halotolerant (B) Osmotolerant
(C) Xerotolerant (D) Thermotolerant
109. Which of the following is not a step in food safety surveillance?
- (A) Hazard Identification (B) Monitoring and Data collection
(C) Risk Management (D) Cleaning and sanitation
110. Betalain is pigment extracted from
- (A) Carrot (B) Beet
(C) Tomato (D) Pumpkin
111. Which of the following colour is used to impart yellow colour in food products?
- (A) Amaranth (B) Ponceau 4R
(C) Indigo Camine (D) Tartrazine
112. Chemical used to detect urea adulteration in milk is
- (A) Para phenylene di amine hydrochloride (B) p-Dimethylaminobenzaldehyde
(C) Rosalic acid (D) Potassium Chromate
113. Baudouin test for ghee is used to detect presence of
- (A) Sunflower oil (B) Sesame oil
(C) Coconut oil (D) Palm oil

114. Enzyme used in the clarification of fruit juices is
 (A) Amylase (B) Cellulase
 (C) Hemicellulase (D) Pectinases
115. The pH at which *Clostridium botulinum* does not grow or produce toxin is
 (A) Less than 5.5 (B) Less than 4.5
 (C) Less than 6.5 (D) Less than 7.5
116. Which of the following enzyme cannot be inactivated by blanching?
 (A) Pectinase (B) Polyphenol Oxidase
 (C) Peroxidase (D) Lipoxygenase
117. The antibacterial peptide which is permitted as preservative in cheese as per FSSR, 2011 is
 (A) Lysozyme (B) Nisin
 (C) Nukasin (D) Lactoferrin
118. In milk products, which of the following amino acid may lead to significant loss during maillard reaction?
 (A) Proline (B) Lysine
 (C) Valine (D) Tyrosine
119. Which is the active form of Vitamin D?
 (A) Calcidiol (B) 25 Hydroxy Cholecalciferol
 (C) 1,25 Di hydroxyl Cholecalciferol (D) Ergosterol
120. Ostwald ripening in emulsion and colloid is
 (A) The process of dissolving large particles to form smaller particles
 (B) The process where larger particles grow at the expense of smaller ones.
 (C) The process of evenly distributing particles in a solution
 (D) The process of mixing particles to achieve uniform size
121. As per AGAMARK standards, the butyro-refractometer reading of ghee is ranges between
 (A) 38.0-40.0 (B) 40.0-43.0
 (C) 45.0-47.0 (D) 48.0-52.0
122. The main storage form of carbohydrates in animals is
 (A) Glycogen (B) Pectin
 (C) Cellulose (D) Starch
123. 1-p-hydroxyphenyl-3-butanone is flavour compound of
 (A) Apple (B) Spinach
 (C) Raspberry (D) Mango
124. The natural antioxidant commonly found in olive oil is known as
 (A) Vitamin C (B) β -carotene
 (C) Oleuropein (D) Lutein
125. Degumming process during refining of oils is done mainly to
 (A) Enhance flavor (B) Remove phospholipids
 (C) Increase stability (D) Improve color
126. The chemical reaction occurs during the hydrogenation process of fats is
 (A) Esterification (B) Hydrolysis
 (C) Reduction (D) Oxidation

127. An example of a fibrous protein is
(A) Albumin (B) Casein
(C) Collagen (D) Immunoglobulin
128. An example of a chemical method for denaturation of proteins is
(A) Applying Heat (B) Addition of high concentration of salt
(C) Exposing to UV light (D) Addition of strong acids or bases
129. If the hydronium ion concentration of a solution is 1×10^{-4} , then pH of the solution is
(A) 2 (B) 4
(C) 6 (D) 3
130. Which of the following elements is most likely to form a +2 oxidation state?
(A) Sodium (B) Calcium
(C) Fluorine (D) Aluminum
131. According to the law of conservation of mass
(A) Mass of reactants is greater than the mass of products
(B) Mass of products is greater than the mass of reactant
(C) Mass of reactants and products are equal
(D) Mass is lost during the reaction
132. Which of the following ionizing radiation has the highest energy?
(A) Gamma rays (B) X-rays
(C) Ultraviolet light (D) Radio waves
133. The oxidation state of chromium in potassium dichromate ($K_2Cr_2O_7$) is
(A) +2 (B) +3
(C) +4 (D) +6
134. The element having the highest electronegativity is
(A) Chlorine (B) Bromine
(C) Fluorine (D) Iodine
135. In enzyme kinetics, Michaelis-Menten constant (K_m) represents
(A) The maximum rate of the reaction
(B) The rate of the reaction when the enzyme is saturated with substrate
(C) The substrate concentration at which the reaction rate is half of the maximum rate
(D) The amount of enzyme required to reach the maximum rate
136. The enzyme that catalyzes the conversion of glucose to glucose-6-phosphate is
(A) Glucose oxidase (B) Glucokinase
(C) Glucose phosphorylase (D) Glucose-6-phosphatase
137. Which number denotes a hydrolase enzyme according to enzyme nomenclature?
(A) 1 (B) 2
(C) 3 (D) 4
138. Which of the following vitamin is necessary in the formation of red blood cell?
(A) Vitamin B1 (Thiamine) (B) Vitamin B2 (Riboflavin)
(C) Vitamin B12 (Cyanocobalamin) (D) Vitamin B7 (Biotin)

139. The compound primarily responsible for the flavor of garlic is
(A) Limonene (B) Allicin
(C) Vanillin (D) Eugenol
140. What is the primary compound responsible for the umami taste?
(A) Citric acid (B) Glutamate
(C) Lactic acid (D) Sugars
141. The food additive commonly used to prevent bacterial growth and to extend the shelf life of meat is
(A) Sodium nitrate (B) Citric acid
(C) Guar gum (D) Carboxymethyl cellulose
142. Yellow colour of the saffron is due to the pigment
(A) Beta-carotene (B) Crocin
(C) Chlorophyll (D) Lycopene
143. The toxic substance responsible for the “bitter almond” smell is
(A) Acrylamide (B) Solanine
(C) Cyanide (D) Strychnine
144. The toxins mostly found in improperly canned foods are
(A) Tetrodotoxin (B) Botulinum toxin
(C) Aflatoxin (D) Cyanogenic glycosides
145. Which of the following is an example of a non-Newtonian fluid?
(A) Water (B) Honey
(C) Milk (D) Olive oil
146. Which of the following factor does not affect the density of a substance?
(A) Temperature (B) Pressure
(C) Volume (D) Chemical composition
147. Which of the following sugar aids in the absorption of calcium?
(A) Glucose (B) Fructose
(C) Lactose (D) Maltose
148. The percentage of nitrogen present in food proteins is
(A) 18 (B) 16
(C) 14 (D) 12
149. The characteristic pungent flavour of chilies is due to
(A) Tannins (B) Capsaicin
(C) Anthocyanin (D) Allicin
150. Which of the following test is used to detect the adulteration of honey?
(A) Water test (B) Matchstick test
(C) Soap test (D) Litmus paper test
151. As per FSS Act, 2006, definition of contaminant does not include
(A) Pesticide residues (B) Insect fragments
(C) Veterinary Drugs (D) Antibiotic residues

152. Under which section of FSS Act, 2006, the Commissioner of Food Safety is appointed
 (A) Section 20 (B) Section 26
 (C) Section 30 (D) Section 36
153. An appeal from the decision of the Food Safety Appellate Tribunal can be made to
 (A) Supreme Court of India
 (B) High Court
 (C) FSSAI
 (D) National Consumer Disputes Redressed Commission
154. Under the FSS (Licensing and Registration of Food Businesses) Regulations, 2011, which type of food business is required to obtain a central license?
 (A) A restaurant with a seating capacity of 50
 (B) A manufacturer of packaged foods with multiple distribution centres
 (C) A small-scale dairy farm
 (D) A local food vendor selling fresh produce
155. What is the recommended minimum internal temperature for cooked meat products to ensure food safety as per FSS Regulations
 (A) 55°C (B) 65°C
 (C) 75°C (D) 85°C
156. The high methoxyl pectin gels at pH
 (A) 4.5-5.5 (B) 2.5-3.5
 (C) 5.5-6.5 (D) 6.5-7.5
157. Which of the following is scientific name for spearmint?
 (A) Mentha piperita (B) Mentha spicata
 (C) Mentha citrate (D) Mentha arvensis
158. The provision of recognition of food laboratories for testing is under which section of FSS Act, 2006
 (A) Section 20 (B) Section 26
 (C) Section 30 (D) Section 43
159. The percentage of lactose in lactose free milk as per FSSR 2011 is
 (A) Less than 1% (B) Less than 0.1%
 (C) 0% (D) Less than 0.01%
160. The minimum milk solids content (percent m/m) of sweetened condensed milk shall be
 (A) 24 (B) 28
 (C) 32 (D) 20
161. What is the minimum fat content required for Khoa as per FSSR, 2011 standards?
 (A) 20% (B) 25%
 (C) 30% (D) 35%
162. What is the typical range of palmitic acid content in ghee as per FSSR, 2011?
 (A) 5% - 10% (B) 10% - 15%
 (C) 22% - 38% (D) 30% - 35%

163. According to FSSR, 2011, the maximum fat% in low fat ice cream is
(A) 10% (B) 2%
(C) 3.2% (D) 2.5%
164. The protein content of protein rich wheat flour as per FSSR, 2011 is
(A) Maximum 15% (B) Maximum 20%
(C) Maximum 25% (D) Maximum 10%
165. What is the maximum permitted moisture content in Tofu as per FSSR, 2011?
(A) 80% (B) 85%
(C) 80% (D) 76%
166. What is the minimum temperature for storing frozen meat as per FSSR, 2011?
(A) -10°C (B) -12°C
(C) -18°C (D) -20°C
167. What is the ideal water activity (a_w) for salted fish as per FSSR, 2011?
(A) Less than 0.90 (B) Less than 0.85
(C) Less than 0.78 (D) Less than 0.60
168. The ratio of Fructose to Glucose (F/G Ratio) of Honey as per FSSR, 2011 is
(A) 0.95-1.50 (B) 0.50-1.0
(C) 1.0 to 1.5 (D) 0.75-1.25
169. Total Ash content of oven dried tea powder as per FSSR, 2011 is
(A) Not less than 4.0 percent and not more than 8.0
(B) Not less than 2.0 percent and not more than 6.0
(C) Not less than 6.0 percent and not more than 10.0
(D) Not less than 3.0 percent and not more than 4.0
170. As per FSSR, 2011, the ash content of *Asafoetida* (Hing or Hingra) shall not exceed
(A) 15 per cent by weight (B) 20 percent by weight
(C) 10 percent by weight (D) 5 percent by weight
171. Which of the following enzyme is permitted as processing aid in Tea as per FSSR, 2011
(A) Amylase (B) Cellulase
(C) Pectinase (D) Pullulanase
172. As per FSSR, 2011, what is the maximum permitted moisture content in roasted coffee?
(A) 2% (B) 3%
(C) 5% (D) 7%
173. As per FSSR 2011, what is the maximum permissible caffeine content in carbonated caffeinated beverages?
(A) 100 mg/l (B) 145 mg/l
(C) 200 mg/l (D) 300 mg/l
174. A declaration “consume not more than 500 ml per day” shall be made on which type of beverage.
(A) Carbonated beverages (B) Non-carbonated beverages
(C) Carbonated-caffeinated beverage (D) Fruit drinks

175. As per FSSR, 2011, what is the maximum Total Dissolved Solids (TDS) content permitted in natural mineral water?
(A) 650 mg/L (B) 750 mg/L
(C) 850 mg/L (D) 950 mg/L
176. As per FSSR 2011, a food product can be labelled as “low sodium” if it contains less than how much sodium per 100 grams?
(A) 50 mg (B) 120 mg
(C) 150 mg (D) 200 mg
177. What is the minimum radiation dose limit prescribed under FSSR, 2011 for the sterilization of health foods?
(A) 5.0 kGy (B) 6.0 kGy
(C) 7.0 kGy (D) 10.0 kGy
178. According to FSSR 2011, what is the maximum permissible gluten content in a food product labelled as “gluten-free”?
(A) 0 mg/kg (B) 10 mg/kg
(C) 20 mg/kg (D) 50 mg/kg
179. Propylene glycol is used as
(A) Preservative (B) Humectant
(C) Sweetener (D) Anti caking agent
180. The Central Committee for Food Standards was established under which Act?
(A) Food Safety and Standards Act, 2006
(B) Prevention of Food Adulteration Act, 1954
(C) Essential Commodities Act, 1955
(D) Consumer Protection Act, 1986
181. The system that collects all the data regarding all types of contaminants in foods are called as
(A) Food safety surveillance (B) Food safety Audit
(C) Food Quality Assurance (D) Food Safety improvement
182. According to the FSSR, what is the maximum permitted level of Nisin in cheese?
(A) 10.0 ppm (B) 12.5 ppm
(C) 15.0 ppm (D) 20.0ppm
183. FSS (Health Supplements, Nutraceuticals, Food for Special Dietary Use, Food for Special Medical Purpose, Functional Food and Novel Food) Regulations, 2016 shall not be applicable for infants up to the age of
(A) 12 months (B) 6 months
(C) 18 months (D) 24 months
184. The viable number of organisms in food with added probiotic ingredients shall be
(A) $\geq 10^7$ CFU/g (B) $\geq 10^8$ CFU/g
(C) $\geq 10^5$ CFU/g (D) $\geq 10^4$ CFU/g
185. Which of the following is not a prebiotic?
(A) Inulin (B) Fructo-oligosaccharides (FOS)
(C) Maltose (D) Galacto-oligosaccharides (GOS)

186. Pullulan is an additive used in dairy products as
 (A) Thickening and glazing agent (B) Emulsifier
 (C) Stabilizer (D) Flavour
187. The maximum level of Steviol Glycoside permitted to add in dairy based desserts as per FSS (Food Products Standards and Food Additive) amendment Regulation, 2015 is
 (A) 200 mg/kg (B) 100 mg/kg
 (C) 330 mg/kg (D) 250 mg/kg
188. What does the Radura logo in green color indicate?
 (A) Organic food (B) Genetically modified food
 (C) Food that has been irradiated (D) Food that has been fortified with vitamins
189. Polydimethylsiloxane is used in flour products as
 (A) Anticaking agent (B) Antifoaming agent
 (C) Emulsifier (D) Bulking agent
190. What is the primary purpose of the CPGRAMS portal?
 (A) To register complaints related to banking services.
 (B) To resolve issues related to the stock market.
 (C) To facilitate citizens in registering grievances related to government services.
 (D) To provide online banking services to citizens.
191. During the internal auditing for NABL certification, the auditor checks for
 (A) Non conformity (B) Testing
 (C) Reporting (D) Conformance
192. Which one of the following is not given E number?
 (A) Vitamin C (B) Salt
 (C) Sulphur dioxide (D) Tartrazine
193. The compound added to curb effusion or effervescence in preparation or serving of food
 (A) Anticaking agent (B) Antifoaming agent
 (C) Emulsifier (D) Bulking agent
194. Polenske value of general grade AGMARK ghee ranges between
 (A) 0.5 to 2.0 (B) 0.3 to 0.5
 (C) 2.5 to 3.0 (D) 3.0 to 3.5
195. The iodized salt produce which of the following colour when treated with lemon juice
 (A) Red (B) Green
 (C) Blue (D) Yellow
196. Which of the follow chemical is used as adulterant to colour the outer surface of Ragi ?
 (A) Burnt umber (B) Desert sand
 (C) Seal Brown (D) Rodamine B
197. APEDA was established under which Act?
 (A) Food Safety and Standards Act, 2006
 (B) Agricultural and Processed Food Products Export Development Act, 1985
 (C) Foreign Trade (Development and Regulation) Act, 1992
 (D) Export-Import Policy Act, 2000

198. In which year was the FAO established?
(A) 1940 (B) 1945
(C) 1950 (D) 1955
199. Which of the following function of food packaging is not true?
(A) It protects food from contamination and spoilage
(B) It improves nutritional quality of foods
(C) It helps for easier transport and storage of foods
(D) It provides assurance that the food has the proper weight and quality
200. Which of the following is a good example of Polyolefins?
(A) Polyethylene (B) Poly Vinyl chloride
(C) Poly styrene (D) Poly carbonate
201. Which of the following is known as thermocole?
(A) Polystyrene (PS)
(B) Expanded Polystyrene (EPS)
(C) Poly (ethylene terephthalate) glycol (PETG)
(D) Polyvinyl acetate (PVA)
202. Which of the following has dead-fold characteristics?
(A) Stainless steel (B) Aluminum foil
(C) Tin (D) Silver
203. Which of the following film gives green flame when subjected to hot copper wire test?
(A) PP (B) PVC
(C) LDPE (D) PET
204. Which of the following gases used in modified atmosphere packaging of dairy products prevents collapse of a package?
(A) Oxygen (B) Carbon dioxide
(C) Nitrogen (D) Argon
205. Which of the following is not regulated by FDA?
(A) Drugs (B) Cosmetics
(C) Dietary supplements (D) Fermented beverages
206. Which of the following change in the deep fat frying causes increased absorption of fat by food making it unpalatable and greasy
(A) Polymerization (B) Hydrolysis
(C) Oxidation (D) Decomposition
207. How many numbers of principles is applied in the implementation of HACCP, a systematic approach to Food Safety?
(A) 5 (B) 9
(C) 7 (D) 4
208. Which of the following enzyme has bactericidal effect?
(A) Alkaline phosphatase (B) Lysozyme
(C) Catalase (D) Xanthine Oxidase

209. Which of the following is a Bronsted-Lowry base?
 (A) H₂O (B) NH₄⁺
 (C) HCl (D) OH⁻
210. Which of the following oxides is amphoteric?
 (A) Al₂O₃ (B) CO₂
 (C) Na₂O (D) SO₂
211. Steroids comes under which of the following categories
 (A) Simple lipid (B) Compound lipid
 (C) Carbohydrates (D) Sphingolipids
212. The water activity of most intermediate moisture foods would be between
 (A) 0.10-0.25 (B) 0.26-0.40
 (C) 0.41-0.69 (D) 0.70-0.85
213. Which of the following equation is used to explain enzyme kinetics
 (A) Reynolds equation (B) Arrhenius equation
 (C) Boyle's equation (D) Michaelis-Menten
214. Which of the following is the biotin-antagonist
 (A) Avidin (B) Aflatoxin
 (C) Gossypol (D) Ovalbumin
215. Which of the following have highest β-carotene content
 (A) Tomato (B) Orange
 (C) Drumstick leaves (D) Carrot
216. Chocolate candies have been incriminated in cases of
 (A) Botulism (B) Salmonellosis
 (C) Staphylococcal food intoxication (D) Perfringens poisoning
217. Castor seed is rich in
 (A) Ricinoleic acid (B) Oleic acid
 (C) Linilenic acid (D) Linileic acid
218. Freezer burn is produced when
 (A) Thawing is not done (B) Ice crystals melt
 (C) Foods are desiccated (D) Ice crystals evaporate from the surface
219. Sodium nitrate, a bacteriostatic in acid solution is effective against
 (A) Aerobes (B) Thermophiles
 (C) Acidophiles (D) Anaerobes
220. Cold shock results in
 (A) Alterations of lipids in the membrane (B) Increased permeability of membranes
 (C) Syneresis (D) Increased microbial count
221. Propionic acid is found naturally in
 (A) Butter (B) Milk
 (C) Malt extract (D) Swiss cheese

222. In which food does the destruction of glutathione occur?
(A) Fruits (B) Vegetables
(C) Meat (D) Milk
223. Bleaching of white wheat flour is done by using oxidizing agents like
(A) Benzoyl peroxide (B) Hydrogen peroxide
(C) Sulfur dioxide (D) Chlorobenzene
224. Thermostabilization is a method of dipping eggs into hot water to
(A) Wash the eggs (B) Increase the water content
(C) Reduce evaporation of moisture (D) Reduce contamination of eggs
225. Which of the following is used as fat replacers?
(A) Sucrose polyester (B) Mannitol
(C) Tocopherol (D) Menthol
226. Pseudomonas syncyanea causes
(A) Yellow milk (B) Red milk
(C) Brown milk (D) Blue milk
227. E number of BHA is
(A) 319 (B) 320
(C) 321 (D) 322
228. Which of the FSS regulations, 2011, specifies the standards for various infant products?
(A) 2.1.9 (B) 2.2.9
(C) 2.4 (D) 2.3
229. Calcium Chloride can be used as
(A) Foaming agent (B) Firming agent
(C) Sweetner (D) Antimicrobial agent
230. The only inorganic acid used as a food acidulate is?
(A) Succinic acid (B) Tartaric acid
(C) Nitric acid (D) Phosphoric acid
231. Amadori rearrangement is found during
(A) Protein biosynthesis (B) Fat oxidation
(C) Maillard reaction (D) Krebs cycle
232. Hydrophilic-lipophilic balance (HLB) > 7 are generally suitable for making
(A) o/w emulsions (B) w/o emulsions
(C) Humectant (D) Turbidity stabilization
233. How many myoglobin molecules are linked together in hemoglobin molecules
(A) 2 (B) 3
(C) 4 (D) 5
234. Iodine value of castor oil is about?
(A) 7-10 (B) 25-40
(C) 65-69 (D) 80-90

235. The pigment responsible for the red and purple colour of fruit and vegetables is
 (A) Carotenoid (B) Xanthophylls
 (C) Anthocyanins (D) Tannins
236. R_f value of methionine in phenol and water solvent is
 (A) 0.30 (B) 0.55
 (C) 0.74 (D) 0.88
237. Polyethylene (PE) bottles used for packaging of drinking water shall confirm to the following BIS standards
 (A) IS: 12252 (B) IS: 10910
 (C) IS: 52122 (D) IS: 10146
238. The precursor of vitamin D in the skin is
 (A) 4-dehydrocholesterol (B) 5-dehydrocholesterol
 (C) 6-dehydrocholesterol (D) 7-dehydrocholesterol
239. Pernicious anaemia is due to deficiency of
 (A) Vitamin B₂ (B) Vitamin B₃
 (C) Vitamin B₆ (D) Vitamin B₁₂
240. Which of the following vitamin increases the absorption of iron in the body?
 (A) Vitamin B (B) Vitamin C
 (C) Vitamin D (D) Vitamin K
241. CCFA stands for
 (A) Codex committee on food adulterants (B) Codex committee on food additives
 (C) Codex committee on fruit adulterants (D) Codex committee on fat adulterants
242. Which agency provides advice and support on levels of radionuclide contamination in foods and on food irradiation
 (A) IAEA (B) OIE
 (C) ISO (D) FAO
243. How many categories of exporters are registered under MPEDA?
 (A) Two (B) Three
 (C) Four (D) Five
244. Potable water should be tested according to which standard?
 (A) IS 10500 (B) IS 15000
 (C) IS 17650 (D) IS 22500
245. When did the APEDA act come into effect?
 (A) 13th February, 1984 (B) 13th February, 1986
 (C) 23th August, 1984 (D) 23th August, 1986
246. Codex general principles of food hygiene introduce the use of the
 (A) FSMS (B) HACCP
 (C) QMS (D) ISMS
247. According to FSSAI, the penalty for selling food not of the nature or substance or quality demanded, shall not exceed
 (A) Two lakh (B) Three lakh
 (C) Five lakh (D) Ten lakh

248. Under FSS (Laboratory and Sample Analysis) Regulations 2011, what is the desired quantity of sample is required to be sent to food analyst/director in case of canned foods.
- (A) 2 sealed cans (B) 4 sealed cans
(C) 6 sealed cans (D) 8 sealed cans
249. The maximum fortification of iodine in table salt as per FSS act is
- (A) 10-20 ppm (B) 20-30 ppm
(C) 30-40 ppm (D) 40-50 ppm
250. Under FSS (Food Products Standards and Food Additives) Regulations 2011, iodine value for soyabean oil is in the range of
- (A) 25-50 (B) 85-99
(C) 100-112 (D) 120-141
251. Under FSS (Food Products Standards and Food Additives) Regulations 2011, acid value for cotton seed oil should not be more than
- (A) 0.5 (B) 1.0
(C) 4.0 (D) 6.0
252. The maximum fortification of vitamin A in vegetable oil as per FSS Act 2006 is
- (A) 2.0 µg RE per gm of oil (B) 4.2 µg RE per gm of oil
(C) 5.1 µg RE per gm of oil (D) 9.9 µg RE per gm of oil
253. According to FSS Act, double fortified salt should contain anticaking agent
- (A) Not more than 1.0% (B) Not more than 2.0%
(C) Not more than 3.0% (D) Not more than 4.0%
254. Designated Officer is appointed under which section of FSSA?
- (A) Section 36 (B) Section 37
(C) Section 38 (D) Section 39
255. As per FSS act, who issues improvement notice?
- (A) FSO (B) Designated Officer
(C) Central food authority (D) Health ministry
256. According to Food Safety and Standards Act 2006, which section describes power of state government to make rules?
- (A) Section 91 (B) Section 92
(C) Section 93 (D) Section 94
257. As per BIS standard, which parameter should be tested daily, during processing of packaged drinking water testing?
- (A) Fluoride (B) Antimony
(C) Borate (D) Calcium
258. As per BIS standard, maximum limit of alkalinity in packaged drinking water is
- (A) 200 PPM (B) 300 PPM
(C) 400 PPM (D) 500 PPM
259. Which of the following book is a guide for safe and nutritious food at home?
- (A) Pink book (B) Yellow book
(C) Orange book (D) DART book

260. For any liquid, the number of drops formed per unit volume depends on
(A) Viscosity (B) Surface tension
(C) Pressure (D) Temperature
261. The number of phases of a mixture of four gases enclosed in a container are
(A) 4 (B) 3
(C) 1 (D) 0
262. The van der Waals equation explains the behavior of
(A) Ideal gas (B) Real gases
(C) Vapours (D) Non-real gases
263. ISO/IEC 17025 deals with
(A) Testing laboratory quality control system
(B) Quality management system
(C) Environment management system
(D) Population control
264. When was "Eat Right India" movement launched by FSSAI?
(A) 30th December 2020 (B) 10th July 2018
(C) 26th December 2019 (D) 6th January 2021
265. Which regulations of FSS (Packaging and Labeling) states that the percentage of coffee and chicory used in coffee - chicory mixture shall be marked on the label?
(A) 2.4.3 (B) 2.4.4
(C) 2.4.5 (D) 2.4.6
266. Which of the following initiative launched by FSSAI for the conversion of used cooking oil to Biodiesel?
(A) FSW (B) Jaivik Bharat
(C) RUCO (D) CSFH
267. Characteristic flavor of banana is due to
(A) Trimethyl sulphoxide (B) Tetramethyl sulphate
(C) Isopentyl acetate (D) Diallyl disulfide
268. Cis-6-dodecene- γ -lactone is an important flavour component of
(A) Butter (B) Cheese
(C) Milk (D) Chocolate
269. Joint Expert Meetings on Microbiological Risk Assessment (JEMRA) is administered jointly by
(A) FAO and WHO (B) WHO and UNESCO
(C) WTO and FAO (D) FAO and UNESCO
270. NABL is a constituent board of
(A) Quality Council of India
(B) Export Promotion Council of India
(C) Food and Agriculture Trade Promotion Council of India
(D) The Agricultural and Processed Food Products Export Development Authority
271. The imino acid found in protein structure is
(A) Histidine (B) Lysine
(C) Arginine (D) Proline

272. What is the full form of NOEL?
 (A) Negative observable effect level (B) No observable effect level
 (C) No observable efficiency level (D) Negative observable efficiency level
273. Which of the following nutrient is added in fortified wheat flour?
 (A) Vitamin A and Vitamin D (B) Iron, Folic Acid and Vitamin B₁₂
 (C) Folic acid, Vitamin B₁₂ and Vitamin D (D) Vitamin A, Iron and Vitamin C
274. Which Vitamin is called as Phylloquinone?
 (A) Vitamin A (B) Vitamin C
 (C) Vitamin D (D) Vitamin K
275. The mandatory symbol on every package of food material sold in retail but not meant for human consumption is
 (A) A red fork and spoon with a cross in a red square
 (B) A black cross inside a black outline square
 (C) The face of a pet with a bone in green
 (D) A brown paw mark in a brown circle
276. Levulose is another name for
 (A) Glucose (B) Maltose
 (C) Fructose (D) Lactose
277. The movement of colloidal particles in a zig zag manner is called as
 (A) Brownian movement (B) Ion movement
 (C) Tyndall effect (D) Refraction
278. The sample from imported food samples are collected for analysis as per FSS Act, 2006 by
 (A) Designated officer (B) Food Safety Officer
 (C) Authorized Officer (D) Food Analyst
279. According to FSSR 2011, which of the following is an accepted method of stunning animals before slaughter?
 (A) Electric stunning (B) Chemical stunning
 (C) Blunt force trauma (D) Water immersion
280. According to the Food Safety and Standards (Licensing and Registration of Food Businesses) Regulations, 2011, which type of license is required for a large-scale dairy processing unit?
 (A) State license (B) Central license
 (C) Registration certificate (D) No license is required
281. What is the minimum protein content required for a product to be classified as “soya protein isolate” under FSSR, 2011?
 (A) 60% (B) 70%
 (C) 80% (D) 90%
282. What is the maximum level of edible oil permitted to add in chilli powder as per FSSR, 2011?
 (A) 1.0% (B) 2.0%
 (C) 3.0% (D) 4.0%
283. What is the minimum coffee content in Coffee-Chicory mixture as per FSSR, 2011?
 (A) 40.0% (B) 51.0%
 (C) 45.0% (D) 38.0%

284. Maximum alcohol content permitted in Coconut Neera is
 (A) 0.5% (B) 1.0%
 (C) 1.5% (D) 2.0%
285. The Central Committee for Food Standards was established under which Act?
 (A) Food Safety and Standards Act, 2006
 (B) Prevention of Food Adulteration Act, 1954
 (C) Essential Commodities Act, 1955
 (D) Consumer Protection Act, 1986
286. Who is responsible for initiating a food recall according to the regulations?
 (A) The Food Business Operator (FBO)
 (B) The Food Safety Commissioner
 (C) The Food Safety and Standards Authority of India (FSSAI)
 (D) The Consumer Protection Forum
287. DHA content of foods for infant nutrition shall not be less than
 (A) 0.5% of total fatty acids (B) 0.2% of total fatty acids
 (C) 0.3% of total fatty acids (D) 0.4% of total fatty acids
288. What is the primary purpose of the WHO?
 (A) To develop vaccines (B) To promote global health and well-being
 (C) To provide humanitarian aid (D) To regulate pharmaceutical companies
289. Milko tester is working on the principle of
 (A) Light scattering (B) Absorptions of infrared energy
 (C) Absorptions of visible energy (D) Absorptions of ultraviolet energy
290. Which of the following is not a colligative property?
 (A) Boiling point elevation (B) Osmotic pressure
 (C) Vapour pressure lowering (D) Density
291. The time required to reduce the microbial population by 90 percent at specific temperature is called as
 (A) F value (B) Z value
 (C) D value (D) Q-10 value
292. Arachidonic acid is also known as
 (A) 9, 12-octadecadienoic (B) 9, 11, 13-octadecatrienoic
 (C) 9, 12, 15-octadecatrienoic (D) 5, 8, 11, 14-eicosatetraenoic
293. Which of the following disease is caused by Iron deficiency?
 (A) Anaemia (B) Hypothyroidism
 (C) Kwashiorkor (D) Scurvy
294. Which of the following fatty acid contributes maximum of RM value of ghee?
 (A) Butyric acid (B) Oleic acid
 (C) Palmitic acid (D) Stearic acid
295. Codex alimentarius commission works in how many UN official languages?
 (A) 1 (B) 3
 (C) 6 (D) 9

296. An article of food for which standards have not been specified and the product is safe for consumption is termed as
(A) Proprietary food (B) Novel food
(C) Organic food (D) Both A & B
297. According to FSSAI, penalty for misbranded food may extend to
(A) Two lakh (B) Three lakh
(C) Five lakh (D) Ten lakh
298. Who gave the rule “greater the valency, higher is the coagulating power”?
(A) Hardy-Schulze (B) Grahm
(C) Faraday (D) Lewis
299. Which of the following book is used to detect adulteration in food at home?
(A) Pink book (B) Yellow book
(C) Orange book (D) DART book
300. Double fortified salt means fortified with
(A) Iodine & iron (B) Calcium & potassium
(C) Sodium & magnesium (D) Sodium & Fluoride