

BHY (CBRT)
PROVISIONAL ANSWER KEY

Name of the post	Superintendent of Fisheries , Class-2, Commissionerate of Fisheries
Advertisement No	66/2023-24
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THE LINK FOR ONLINE OBJECTION SYSTEM WILL START FROM 15-06-2024;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. ફિલ્મ “દીવાદાંડી”નું ખૂબ જાણીતું ગુજરાતી ગીત “તારી આંખનો અફીણી...” કયા સંગીતકારે ગાયું છે ?
 (A) ક્ષેમુ દિવેટિયા (B) અવિનાશ વ્યાસ
 (C) દિલીપ ધોળકિયા (D) નીનુ મઝમુદાર
002. સૌરાષ્ટ્રનું ‘ગોક ગૂંથણ નૃત્ય’ બીજા કયા નામે પણ પ્રખ્યાત છે ?
 (A) માંડવા નૃત્ય (B) સોળંગારાસ
 (C) ચાબખી (D) રાસડા
003. ‘પાસોવર’, ‘પેન્ટીકોસ્ટ’, ‘રોશ હાશના’, ‘સબ્બથ’ કયા ધર્મના પ્રમુખ તહેવારો છે ?
 (A) બૌદ્ધ ધર્મ (B) ખ્રિસ્તી ધર્મ
 (C) પારસી ધર્મ (D) યહૂદી ધર્મ
004. પાંડુરી માતાનો મેળો કયા સ્થળે ભરાય છે ?
 (A) ગાંધીનગર જિલ્લાના રૂપાલમાં (B) નર્મદા જિલ્લાના દેવમોગરામાં
 (C) મહેસાણા જિલ્લાના આસજોલમાં (D) ઈડર તાલુકાના જાદર ગામે
005. વી. શાંતારામના પ્રથમ રંગીન ચિત્ર “ઝનક ઝનક પાયલ બાઝે”નું કલા નિર્દેશન કયા ચિત્રકારે કર્યું હતું ?
 (A) કનુભાઈ દેસાઈ (B) શ્રી સોમાલાલ શાહ
 (C) છગનલાલ જાદવ (D) શ્રી ખોડીદાસ પરમાર
006. ઈલ્વાદુર્ગાનો કિલ્લો કયા સ્થળે આવેલો છે ?
 (A) ઈડર (B) ચાંપાનેર
 (C) દ્વારકા (D) ધોરાજી
007. ગુજરાતના ખ્યાતનામ વ્યક્તિઓ પૈકી મધુસૂદન ઢાંકીનું નામ કયા ક્ષેત્ર સાથે જોડાયેલું છે ?
 (A) સાહિત્ય (B) સમાજસેવા
 (C) સ્થાપત્યકલા (D) પુરાતત્વ
008. આર્યો પૃથ્વી ઉપર વરસાદ લાવવા કયા દેવની આરાધના કરતા ?
 (A) વાયુ (B) પૃથ્વી
 (C) બૃહસ્પતિ (D) સૂર્ય
009. કયા સૂત્ર સાહિત્યમાંથી સામાજિક નીતિનિયમો અને કાયદા વિષયક માહિતી મળે છે ?
 (A) શ્રોતસૂત્ર (B) ધર્મસૂત્ર
 (C) ગૃહ્યસૂત્ર (D) ઇંદ્રસૂત્ર
010. જૈન ધર્મમાં ‘મનની સમતા પ્રાપ્ત કરવી’ તેને શું કહે છે ?
 (A) સામયિક (B) પ્રતિક્રમણ
 (C) પૌષધ (D) શ્રમણા
011. ‘પંચસૈદ્ધાંતિકા’નામે ગ્રંથમાં કયા વિષયની ચર્ચા કરેલી છે ?
 (A) નક્ષત્રો (ખગોળ) (B) રસાયણશાસ્ત્ર
 (C) આર્યુવેદ (D) જ્યોતિષવિદ્યા

001. The very famous Gujarati song “Tari ankhano Afini” from the movie “Deevadandi” has been sung by which musician ?
- (A) Kshemu Divetia (B) Avinash Vyas
(C) Dilip dholakia (D) Neenu mazmudar
002. By which other name is the ‘Gof goonthan dance’ of Saurashtra also famous ?
- (A) Mandwa dance (B) Solangaras
(C) Chabakhi (D) Rasada
003. ‘Pasovar’, ‘pentecost’, ‘Rosh Hashana’, ‘Sabbath’ are major festivals of which religion?
- (A) Buddhism (B) Zoroastrianism
(C) Christianity (D) Judaism
004. At which place is the fair of Panduri Mata held ?
- (A) Rupal of Gandhinagar district (B) In Asjol of Mehsana district
(C) In Devmogara of Narmada district (D) Jadar village of Idar taluka
005. Which painter did the art direction for V. Shantaram’s first colour film “Zanak Zanak Payal Baze”?
- (A) Kanubhai Desai (B) Shri Somalal Shah
(C) Chhaganlal Jadav (D) Shri Khodidas paramar
006. Where is the ‘Ilwa Fort’ located ?
- (A) Idar (B) Champaner
(C) Dwarka (D) Dhoraji
007. Among the famous people of Gujarat, the name of Madhusudan Dhanki is associated with which field ?
- (A) Literature (B) Social service
(C) Architecture (D) Archaeology
008. Aryans worshiped which God to bring rain on earth ?
- (A) Vayu (B) Parjanya
(C) Jupiter (Brihaspati) (D) Sun
009. From which sources of literature do we get the information about social policies and laws ?
- (A) Shrota Sutra (B) Dharmasutra
(C) Ghuhya Sutra (D) Chhand Sutra
010. What is “achiving equaminity (samata) of mind” in Jainism?
- (A) samayik (B) pratikraman
(C) paushadh (D) sharamana
011. Which subject /topic is discussed in the book named ‘Panchasiddhantika’ ?
- (A) Astronomy (B) Chemistry
(C) Ayurveda (D) Astrology

012. અકબરે બાબર-હુમાયુના સમયની મુલ્કી અને લશ્કરી સેવા માટે નીચેનામાંથી કઈ પદ્ધતિ સુવ્યવસ્થિત અને સુવિકસિત કરી હતી ?
- (A) કરોડીમલ પદ્ધતિ (B) મનસબદારી પદ્ધતિ
(C) રૈયતવારી પદ્ધતિ (D) સામંતશાહી પદ્ધતિ
013. ક્ષત્રપકાળમાં ચાંદીના સિક્કા શું કહેવાતા હતા ?
- (A) દામ (B) અશ્વમેઘ
(C) રૂપક (રૂપયો) (D) કર્ષાપણ
014. મહાત્મા ગાંધીને પ્રથમ વખત રાષ્ટ્રપિતા તરીકે કોના દ્વારા ઓળખવામાં આવ્યા હતા ?
- (A) વલ્લભભાઈ પટેલ (B) સી. રાજગોપાલાચારી
(C) જવાહરલાલ નેહરૂ (D) સુભાષચંદ્ર બોઝ
015. ઝોજીલા ઘાટ જોડે છે ...
- (A) શ્રીનગર અને લેહ (B) જમ્મુ અને કારગિલ
(C) અરુણાચલ પ્રદેશ અને તિબેટ (D) ચંબા અને સ્પીતિ
016. કયો પ્રદેશ ભારતના ચોખાના બાઉલ તરીકે ઓળખાય છે ?
- (A) ઈન્ડો-ગંગાનું મેદાન (B) કિષ્ના-ગોદાવરી ડેલ્ટા પ્રદેશ
(C) ઉત્તર-પૂર્વ પ્રદેશ (D) કેરળ અને તામિલનાડુ
017. નીચેનામાંથી કયું તત્વ ખડકોમાં સૌથી વધુ માત્રામાં જોવા મળે છે ?
- (A) સિલિકોન (B) હાઈડ્રોજન
(C) કાર્બન (D) સોનું
018. નીચેનામાંથી કયો દેશ સૌથી વધુ રબરનું ઉત્પાદન કરે છે ?
- (A) ભારત (B) થાઈલેન્ડ
(C) ઈન્ડોનેશિયા (D) મલેશિયા
019. વૈજ્ઞાનિક રીતે વાંસ એક પ્રકારનું છે.
- (A) ઘાસ (grass) (B) ઝાડવા (herb)
(C) ઔષધિ (shrub) (D) વૃક્ષ (tree)
020. નીચેના પૈકી કયું એક શહેર યમુના નદી કિનારે આવેલું નથી ?
- (A) દિલ્હી (B) કાનપુર
(C) મથુરા (D) આગરા
021. ભારતીય રેલ્વેનો નીચેનામાંથી કયો પ્લાન્ટ 'કપૂરથલા' ખાતે આવેલો છે ?
- (A) ઈન્ટીગ્રલ કોચ ફેક્ટરી (B) રેલ કોચ ફેક્ટરી
(C) વ્હીલ અને એક્સેલ પ્લાન્ટ (D) ડીઝલ ઘટકના કામો

012. Which of the following system of civil and military service streamlined and developed by Akabar?
(A) Karodimal system (B) Mansabadari method
(C) Raitwari system (D) Samantasahi system
013. What were the silver coins called in the Kshatrap period ?
(A) Dam (B) Ashvameg
(C) Rupak (rupayo) (D) Karshapan
014. Mahatma Gandhi was first recognized as Father of Nation by whom?
(A) Vallabhbhai Patel (B) C. Rajagopalachari
(C) Jawaharlal Nehru (D) Subhas Chandra Bose
015. ZOJI – LA pass connects.
(A) Srinagar and Leh (B) Arunachal Pradesh and Tibet
(C) Jammu and Kargil (D) Chamba and Spiti
016. Which region is known as the Rice Bowl of India ?
(A) Indo – Gangetic Plain (B) Krishana – Godavari Delta region
(C) North – East region (D) Kerala and Tamil Nadu
017. Which of the following elements is present in largest amount in rocks and minerals ?
(A) Silicon (B) Carbon
(C) Hydrogen (D) Gold
018. Which of the following countries is the largest producer of rubber ?
(A) India (B) Thailand
(C) Indonesia (D) Malaysia
019. Scientifically Bamboo is a type of
(A) grass (B) herb
(C) shrub (D) tree
020. Which of the following cities is not located on the banks of the river Yamuna ?
(A) Delhi (B) Kanpur
(C) Mathura (D) Agra
021. Which of the following plants of the Indian Railways is located at Kapurthala?
(A) Integral coach factory (B) Wheel and axle plant
(C) Rail coach factory (D) Diesel component works

022. નીચેના પૈકી પ્લાસ્ટિક મની સાથે સંબંધિત છે...



- (A) પ્લાસ્ટિક ચલણ (B) પેપર કરન્સી
(C) ATM કાર્ડ (D) ક્રેડિટ કાર્ડ

023. બોમ્બે સ્ટોક એક્સચેન્જ પર જાહેર ક્ષેત્રનો કયો પ્રથમ શેર Quote થયો હતો

- (A) હિંદુસ્તાન પેટ્રોલિયમ (B) SAIL
(C) ONGC (D) INDIAN OIL

024. વિશ્વ બેન્કનું મુખ્ય મથક (head quarter) ક્યાં આવેલું છે ?

- (A) બર્લિન (B) જીનીવા
(C) વોશિંગ્ટન ડી.સી. (D) લંડન

025. સ્થાનિક વીમા ક્ષેત્રમાં નીચેનામાંથી કઈ ભાગીદારી ખોટી છે ?

- (A) HDFC - સ્ટાન્ડર્ડ લાઈફ (B) બિરલા - સન લાઈફ
(C) ટાટા - એલિયાન્સ (D) મેક્સ - ન્યુયોર્ક લાઈફ

026. “વર્લ્ડ ડેવલપમેન્ટ રિપોર્ટ” કોનું વાર્ષિક પ્રકાશન છે ?

- (A) સંયુક્ત રાષ્ટ્ર વિકાસ કાર્યક્રમ (B) વર્લ્ડ બેન્ક (વિશ્વ બેન્ક)
(C) વિશ્વ વેપાર સંગઠન (D) ઈન્ટરનેશનલ મોનેટરી ફંડ (IMF)

027. ગુજરાત અંદાજપત્ર 2024-25 માં નીચેના પૈકી કયા ક્ષેત્રને સૌથી વધુ ભંડોળ ફાળવવામાં આવ્યું છે ?

- (A) ઊર્જા (B) સ્વાસ્થ્ય અને પરિવાર કલ્યાણ
(C) ગામિણ વિકાસ (D) શિક્ષણ

028. મુદ્રા (MUDRA) યોજનાનું વ્યાપક નામ નીચે પૈકી એક છે ?

- (A) Micro Units Development and Research Agency
(B) Multi Unit Development and Regulatory Authority
(C) Micro Unit Development Refinance Agency
(D) Micro Units Development and Regulatory Authority

029. નીચેનામાંથી કોને સંવિધાનનો આત્મા માનવામાં આવે છે ?

- (A) મૂળભૂત અધિકારો (B) આમુખ
(C) રાજ્યના નીતિ નિર્દેશક સિદ્ધાંતો (D) ઉપરોક્ત તમામ

030. નીચેનામાંથી જેના નવા રાજ્યો બનાવવામાં આવ્યાં હોય તેવા ક્યાં ક્ષેત્રો તેના મૂળ રાજ્યોના સાચાં નામ ધરાવતાં નથી ?

- (A) મદ્રાસ રાજ્યમાંથી આંધ્રપ્રદેશ (B) આસામમાંથી અરુણાચલ પ્રદેશ
(C) મહારાષ્ટ્ર રાજ્યમાંથી ગોવા (D) આસામમાંથી મેઘાલય

031. નાગરિક દ્વારા મૂળભૂત અધિકારોનું રક્ષણ કેવી રીતે કરી શકાય ?

- (A) સર્વોચ્ચ ન્યાયાલયનો સંપર્ક કરીને તેના દ્વારા ઉચિત રીટ જે તે સક્ષમ સત્તા પ્રત્યે જારી કરાવીને
(B) વિધાનસભા દ્વારા ન્યાયાલયને માહિતગાર કરીને
(C) મૂળભૂત અધિકારો આપમેળે સુરક્ષિત છે.
(D) ઉપરોક્ત તમામ

022. Plastic money relates to
(A) plastic currency (B) paper currency
(C) ATM cards (D) credit cards
023. Which was the first public sector share to be quoted on the BOMBAY STOCK EXCHANGE?
(A) Hindustan Petroleum (B) SAIL
(C) ONGC (D) Indian Oil
024. World Bank is headquartered at
(A) Berlin (B) Geneva
(C) Washington DC (D) Paris
025. Which one of the following partnership in the domestic insurance sector is incorrect?
(A) HDFC - Standard Life (B) Birla - Sun Life
(C) Tata - Allianz (D) Max - New York Life
026. "World Development Report" is an annual publication of
(A) United Nations Development Programme
(B) World Bank
(C) World Trade Organisation
(D) International Monetary Fund
027. In Gujarat Budget 2024-25 which of the following sector has been allocated the highest amount of funds ?
(A) Urja (Energy) (B) Health and Family Welfare
(C) Rural Development (D) Education
028. The broad name of MUDRA scheme is one of the following.
(A) Micro Units Development and Research Agency
(B) Multi Unit Development and Regulatory Authority
(C) Micro Unit Development Refinance Agency
(D) Micro Units Development and Regulatory Authority
029. Which one of the following has been described as the soul of the Constitution?
(A) Fundamental Rights (B) Preamble
(C) Directive Principles of State Policy (D) All of the above
030. Which of the following does not give the correct name of the original state out of whose territory the new state was created?
(A) AP from the state of Madras (B) Arunachal Pradesh from Assam
(C) Goa from state of Maharashtra (D) Meghalaya from Assam
031. How can the Fundamental Rights be protected by the citizen?
(A) By approaching the Supreme Court which will issue appropriate writs against the authority
(B) Parliament will inform the courts
(C) It is automatically protected
(D) All of the above

032. લોકસભામાં હાલ અનુસુચિત જાતી અને અનુસુચિત જનજાતિ માટે કુલ કેટલી બેઠકો અનામત રાખવામાં આવી છે ?
 (A) 109 (B) 11
 (C) 129 (D) 131
033. ભારતીય બંધારણમાં ભારતીય સંઘની કારોબારી વિષયક સત્તા કોની છે ?
 (A) મંત્રી મંડળ (B) વડાપ્રધાન
 (C) રાષ્ટ્રપતિ (D) સંસદ
034. 73 માં બંધારણીય સુધારાથી ઉમેરાયેલી અનુસૂચિ 11 માં પંચાયતોના અધિકાર ક્ષેત્રમાં કેટલા વિષયો રાખવામાં આવ્યા છે?
 (A) 29 (B) 18
 (C) 28 (D) 19
035. ભારતીય બંધારણની કઈ કલમ હેઠળ રાષ્ટ્રપતિ પર મહાભિયોગ થઈ શકે છે ?
 (A) કલમ 61 (B) કલમ 75
 (C) કલમ 76 (D) કલમ 356
036. ભારતના બંધારણનો ભાગ III શાના સંબંધિત છે ?
 (A) મૂળભૂત અધિકારો (B) રાજ્યનીતિના માર્ગદર્શક સિદ્ધાંતો
 (C) મૂળભૂત ફરજો (D) નાગરિકતા
037. જાવા, કોમ્પ્યુટર ભાષાની શોધ કોના દ્વારા કરવામાં આવી હતી ?
 (A) IBM
 (B) માઈક્રોસોફ્ટ (Microsoft)
 (C) સન માઈક્રો સિસ્ટમ્સ (Sun microsystems)
 (D) મોટોરોલા (Motorola)
038. પૃથ્વીના વાતાવરણમાં સૌથી વિપુલ પ્રમાણમાં કયું તત્વ છે ?
 (A) આર્ગોન (Argon) (B) નાઈટ્રોજન (Nitrogen)
 (C) ઓક્સિજન (Oxygen) (D) ક્રિપ્ટોન (Krypton)
039. સૂર્યના તાપનું માપન કરવા માટે કયા સાધનનો ઉપયોગ થાય છે ?
 (A) એનીમો મીટર (B) પાયરોમીટર (Pyrometer)
 (C) ગાયરોસ્કોપ (D) હાઈગ્રોમીટર
040. નીચેનામાંથી કયો વાયુ સિગારેટ લાઈટરમાં વપરાય છે ?
 (A) બ્યુટેન (B) મિથેન
 (C) પ્રોપેન (D) રેડોન
041. નીચેનામાંથી કયું વિટામિન યકૃત (લીવર) માં સંગ્રહિત થાય છે ?
 (A) વિટામિન એ (B) વિટામિન સી
 (C) વિટામિન ઈ (D) વિટામિન કે



032. How many seats are reserved for scheduled castes and scheduled tribes in Lok Sabha at present ?
- (A) 109 (B) 119
(C) 129 (D) 131
033. Constitution of India vests the executive power of the Indian Union in
- (A) The Council of Ministers (B) The Prime Minister
(C) The President (D) The Parliament
034. How many subjects have been included in the jurisdiction of Panchayats in schedule 11 added by the 73rd constitutional Amendment ?
- (A) 29 (B) 18
(C) 28 (D) 19
035. Under which Article of the Indian Constitution can the President be impeached ?
- (A) Article 61 (B) Article 75
(C) Article 76 (D) Article 356
036. Part III of the Constitution of India relates to –
- (A) Fundamental Rights (B) Directive Principles of State Policy
(C) Fundamental Duties (D) Citizenship
037. Java, the computer language, was invented by
- (A) IBM (B) Microsoft
(C) Sun microsystems (D) Motorola
038. The most abundant element in the earth's atmosphere is
- (A) Argon (B) Nitrogen
(C) Oxygen (D) Krypton
039. Which instrument is used to measure sun heat ?
- (A) Anemometer (B) Pyrometer
(C) Gyroscope (D) Hygrometer
040. Which of the following gases is used in cigarette lighters ?
- (A) Butane (B) Methane
(C) Propane (D) Radon
041. Which of the following vitamins is stored in liver ?
- (A) Vitamin A (B) Vitamin C
(C) Vitamin E (D) Vitamin K

042. બસના ડ્રાઈવર પાસે મૂકવામાં આવતો અરીસો કયો છે ?
 (A) પ્લેન અરીસો (B) બહિર્મુખ (કોન્વેક્સ) અરીસો
 (C) અંતર્મુખ (concave) અરીસો (D) ઠંડક(કૂલિંગ) અરીસો
043. નીચેનામાંથી કયા દેશના રાષ્ટ્રધ્વજમાં તે દેશનો નકશો છે ?
 (A) કોલમ્બિયા (Colombia) (B) કોંગો (Congo)
 (C) ક્યુબા (Cuba) (D) સાયપ્રસ (Cyprus)
044. ‘બોગી’ (bogy) શબ્દ કઈ રમત સાથે સંકળાયેલ શબ્દ છે ?
 (A) ટેનિસ (B) ગોલ્ફ
 (C) બેઝબોલ (D) ચેસ
045. તાજેતરમાં કયા દેશે બુલાવા બેલેસ્ટિક મિસાઈલનું સફળ પરીક્ષણ કર્યું હતું ?
 (A) ઈઝરાઈલ (B) ભારત
 (C) ચીન (D) રશિયા
046. ‘સ્ટેટસ રિપોર્ટ ઓફ સ્નો લેપર્ડ ઈન ઈન્ડિયા’ મુજબ ભારતમાં હિમ દીપડાની વસ્તી કયા રાજ્યમાં સૌથી વધારે છે ?
 (A) હિમાચલ પ્રદેશ (B) જમ્મુ કશ્મીર
 (C) લદ્દાખ (D) ઉત્તરાખંડ
047. 75 મા પ્રજાસત્તાક પર્વ નિમિત્તે કર્તવ્યપથ પર પ્રદર્શિત કયા રાજ્યના ટેબ્લોને પ્રથમ ક્રમાંક મળ્યો હતો ?
 (A) ગુજરાત (B) ઓડિશા
 (C) ઉત્તરપ્રદેશ (D) રાજસ્થાન
048. તાજેતરમાં કચ્છની કઈ પરંપરાગત કાપડ હસ્તકલાને GI ટેગ મળ્યું છે ?
 (A) રોગાન પ્રિન્ટિંગ એમ્બ્રોઈડરી (B) બ્લોક પ્રિન્ટિંગ
 (C) કચ્છ અજરખ (D) કચ્છી રબારી એમ્બ્રોઈડરી
049. કઈ કંપની જૂન 2024માં વિશ્વની પ્રથમ CNG સંચાલિત મોટર સાયકલ લોન્ચ કરવા તૈયાર છે ?
 (A) ટીવીએસ મોટર કંપની (B) બજાજ ઓટો
 (C) હીરો મોટોકોર્પ (D) હોન્ડા મોટરસાયકલ
050. તાજેતરમાં યોજાઈ ગયેલ “ગગન સ્ટ્રાઈક - II” સંદર્ભે નીચેના પૈકી કઈ બાબત સાચી છે ?
 1. આ કવાયત અપાયે અને ALH-WSI હેલિકોપ્ટર, નિશસ્ત્ર એરિયલ વાહનોને એકીકૃત કરવા માટે હતી
 2. ભારતીય સેના અને વાયુસેના ની સંયુક્ત કવાયત હરિયાણામાં સમાપન થઈ.
 (A) 1 અને 2 બંને (B) માત્ર 1
 (C) માત્ર 2 (D) એક પણ નહીં

042. The mirror placed near the driver of a bus is ?
 (A) Plane mirror (B) Convex mirror
 (C) Concave mirror (D) Cooling mirror
043. Which one of the following countries has the map of that country in its National flag?
 (A) Colombia (B) Congo
 (C) Cuba (D) Cyprus
044. The term 'bogey' is associated with which game ?
 (A) Tennis (B) Golf
 (C) Baseball (D) Chess
045. Which country has successfully tested the 'BULAVA' missile recently ?
 (A) Israel (B) India
 (C) China (D) Russia
046. According to the 'Status Report of Snow Leopard in India', which state has the highest snow leopard population in india ?
 (A) Himachal Pradesh (B) Jammu Kashmir
 (C) Ladakh (D) Uttarakhand
047. Which state's tableau got the first rank on the kartavya path parade route for the 75th Republic day ?
 (A) Gujarat (B) Odisha
 (C) Uttarpradesh (D) Rajasthan
048. which traditional textile craft of Kutch has got GI tag recently ?
 (A) Rogan printing embroidery (B) Block printing
 (C) Kutch Ajrakh (D) Kutchi Rabari embroidery
049. Which company is all set to launch the world's first CNG powered motorcycle in June 2024 ?
 (A) TVS motor company (B) Bajaj Auto
 (C) Hero MotoCorp (D) Honda Motorcycle
050. Which of the following is true about the recently held GAGAN STRIKE-II ?
 1. The exercise was to integrate Apache and ALH-WSI helicopter,unarmed ariel vehicles etc.
 2. The joint Indian army and Air Force exercise concluded in Haryana
 (A) Both 1 and 2 (B) Only 1
 (C) Only 2 (D) None

051. ત્રણ ઘંટડીઓ A, B અને C અનુક્રમે દર 20 મિનિટે, 30 મિનિટે અને 40 મિનિટે વાગે છે. જો ઘંટડી A, B અને C ત્રણેય બપોરે 2 વાગ્યે એકી સાથે વાગે છે. તો તે જ દિવસે બપોરે 2 વાગ્યા પછી કેટલી વખત ત્રણેય ઘંટડી એકી સાથે વાગશે ?
 (A) 4 (B) 5
 (C) 6 (D) 3
052. A B અને C નો ભાઈ છે. D C ની માતા છે. E A ના પિતા છે. નીચે આપેલ વિધાનોમાંથી કયું વિધાન ખોટું હોઈ શકે ?
 (A) E Bના પિતા છે. (B) D Aની માતા છે.
 (C) A Dનો દીકરો છે. (D) B Eનો દીકરો છે.
053. અંગ્રેજી મૂળાક્ષરોની નીચે મુજબ ગોઠવણ આપેલ છે.
 S L U A Y J V E I O N Q G Z B D R H
 તો, નીચે આપેલ શુંખલા પૂર્ણ કરો.
 L A U J Y I E G _ ?
 (A) ZH (B) IB
 (C) NR (D) QH
054. નીચે આપેલ પાંચ નામને અંગ્રેજી ટેલિફોન ડિરેક્ટરી પ્રમાણે ગોઠવતાં કયુ નામ મધ્યમાં આવશે ?
 RAVINDER, RAVENDER, RAVINDRA, RAVENDRA, ROVINDER
 (A) RAVINDER (B) RAVENDER
 (C) RAVINDRA (D) RAVENDRA
055. નીચે આપેલ શુંખલામાં પ્રશ્નાર્થ ચિન્હની જગ્યાએ કયો અંગ્રેજી મૂળાક્ષર આવશે ?
 A C A C E A C E (?)
 (A) F (B) G
 (C) D (D) A
056. કોઈ એક પૂર્ણાંક સંખ્યાના વર્ગના ત્રણ ગણામાં 4 ઉમેરવાથી તે પૂર્ણાંક સંખ્યાથી આઠ ગણી સંખ્યા મળે છે. તો તે પૂર્ણાંક સંખ્યા શોધો.
 (A) 3 (B) 2
 (C) -2 (D) -3
057. બે સંખ્યાઓનો ગુણોત્તર 5:9 છે. દરેક સંખ્યામાં 7 ઉમેરતાં, ગુણોત્તર 3:5 થાય છે. મૂળ સંખ્યાઓ શોધો.
 (A) 10 અને 18 (B) 15 અને 27
 (C) 35 અને 63 (D) 25 અને 45
058. જો a b ના વ્યસ્ત પ્રમાણમાં છે, અને b c ના વ્યસ્ત પ્રમાણમાં છે, તો નીચે આપેલ વિધાનમાંથી કયું વિધાન સાચું બને ?
 (A) a c ના વ્યસ્ત પ્રમાણમાં છે. (B) a c ના સમ પ્રમાણમાં છે.
 (C) a અચલ છે. (D) ઉપરમાંથી કોઈ પણ વિકલ્પ નહીં
059. એક ઓટોમોબાઈલ ફેક્ટરીમાં દર છ કલાકે 3 સ્કુટરનું ઉત્પાદન થાય છે. જો ફેક્ટરી સોમવારથી શનિવાર 6 દિવસ આખો દિવસ અને રાત કાર્યરત રહે છે. અને રવિવારે અડધો દિવસ કાર્યરત રહે છે. ફેબ્રુઆરી 2024 દરમિયાન કેટલા સ્કુટરનું ઉત્પાદન કર્યું હશે ?
 (A) 324 (B) 312
 (C) 300 (D) 318
060. મિ. X પાસે રૂા. 5 ના 36 સિક્કાઓ છે. તેઓ આ સિક્કાઓને રૂા. 10, રૂા. 20 અને રૂા. 50 ના મૂલ્યવાળી ચલણી નોટમાં બદલવા માંગે છે. જો તેઓ બધા સિક્કાઓને ચલણી નોટમાં બદલે તો તેમની પાસે ઓછામાં ઓછી કેટલી ચલણી નોટ હોય ?
 (A) 6 (B) 5
 (C) 4 (D) 7

051. Three bells A, B and C ring with frequencies of 20 min, 30 min and 40 with respectively. If bell A rings at 2 pm, together with B and C, how many times will all min 3 bells ring together on the same day after 2 pm ?
 (A) 4 (B) 5
 (C) 6 (D) 3
052. A is the brother of B and C. D is C's mother, E is A's father. Find which of the following statements may be false ?
 (A) E is B's father (B) D is A's mother
 (C) A is D's son (D) B is E's son
053. What comes next in the following sequence
 LA UJ YI EG ?
 given the following arrangement :
 S L U A Y J V E I O N Q G Z B D R H ?
 (A) ZH (B) IB
 (C) NR (D) QH
054. Which among the following five names will come in the middle in a telephone directory ?
 RAVINDER, RAVENDER, RAVINDRA, RAVENDRA, ROVINDER
 (A) RAVINDER (B) RAVENDER
 (C) RAVINDRA (D) RAVENDRA
055. Which letter replaces the question mark in the following sequence ?
 A C A C E A C E (?)
 (A) F (B) G
 (C) D (D) A
056. Four added to thrice the square of an integer gives eight times the same integer. That integer is
 (A) 3 (B) 2
 (C) -2 (D) -3
057. The ratio of two numbers is 5:9. After adding 7 to each number, the ratio becomes 3:5. The original numbers are
 (A) 10 and 18 (B) 15 and 27
 (C) 35 and 63 (D) 25 and 45
058. If a is inversely proportional to b and b is inversely proportional to c , then which of the following is true ?
 (A) a is inversely proportional to c . (B) a is directly proportional to c .
 (C) a is a constant. (D) None of the above.
059. An automobile factory produces 3 scooters every six hours. If it runs all day and night for 6 days (from Monday to Saturday) and for half day an Sunday, how many scooters month it would have produced during the of February 2024 ?
 (A) 324 (B) 312
 (C) 300 (D) 318
060. Mr. X has 36 coins of Rs. 5/- and he wants to exchange all these coins for currency notes with denominations of Rs. 10/-, Rs 20/ and Rs. 50/-. If he is able to exchange all these coins, what is the minimum number of currency notes he would have?
 (A) 6 (B) 5
 (C) 4 (D) 7

061. જો કોઈ વસ્તુની વેચાણ કિંમત બમણી કરવામાં આવે તો પહેલાં કરતાં ચાર ગણો નફો થાય. પ્રારંભિક કરારનો નફો ટકાવારીમાં શોધો.
- (A) 100% (B) 150%
(C) 200% (D) 50%
062. એક જેકેટની પડતર કિંમત અને વેચાણ કિંમત 32:39 ના ગુણોત્તરમાં છે. ટકાવારીમાં નફો શોધો.
- (A) 21.875% (B) 17.948%
(C) 18.95% (D) 82.05%
063. પહેલી સિત્તેર બેકી સંખ્યાઓનો મધ્યસ્થ શોધો.
- (A) 70 (B) 71
(C) 72 (D) 71.5
064. નીચે આપેલ ત્રિપુટીઓમાંથી કઈ ત્રિપુટી ત્રિકોણની ત્રણ બાજુઓ દર્શાવતી નથી ?
- (A) 2, 3, 5 (B) 1, 2, 3
(C) 2, 3, 3 (D) 2, 6, 9
065. જો $(a ના a%) + (b ના b%) = (ab ના 2%)$ તો $2a$ ના કેટલા ટકા બરાબર $5b$ થાય ?
- (A) 150% (B) 200%
(C) 250% (D) 125%
066. એક રિયાલીટી શોમાં બે ગાયકો વચ્ચેની હરિફાઈમાં એક ગાયકને કુલ માન્ય મતના 43% મત મળે છે. કુલ મતના 17% મત અમાન્ય છે. જો કુલ મતની સંખ્યા 50,000 હોય તો બીજા ગાયકની તરફેણમાં કેટલા માન્ય મત હોઈ શકે ?
- (A) 17,845 (B) 23,655
(C) 28,500 (D) 20,000
067. આપેલ શ્રેણી પૂર્ણ કરો :
- 3, 10, 29, 84, ___
- (A) 248 (B) 247
(C) 252 (D) 250
068. આપેલ ગણનું વિચલન શોધો : {7, 7, 7, 7, 7, 7}
- (A) 6 (B) 7
(C) 1 (D) 0
069. કોઈ એક ચોક્કસ રકમ ઉપર 20% વાર્ષિક વ્યાજ દરે ત્રણ વર્ષ માટે મળતા સાદા વ્યાજ અને ચક્રવૃદ્ધિ વ્યાજનો ગુણોત્તર શોધો.
- (A) 75:91 (B) 25:36
(C) 1:9 (D) 25:31
070. એક સમતોલ પાસાની સપાટી પર 1 થી 6 સુધીના અંક અંકિત કરેલા છે. જો અંક 1 અંક 2, 3 અને 5 બાજુમાં અંકિત કરેલ હોય તો નીચે આપેલ વિધાનમાંથી કયું વિધાન ખરેખર સાચું હોઈ શકે ?
- (A) અંક 4 અંક 6 ની બાજુની સપાટી પર અંકિત થયેલ હોય
(B) અંક 2 અંક 5 ની બાજુની સપાટી પર અંકિત થયેલ હોય
(C) અંક 2 અંક 5 ની વિરૂદ્ધ સપાટી પર અંકિત થયેલ હોય
(D) અંક 1 અંક 4 ની વિરૂદ્ધ સપાટી પર અંકિત થયેલ હોય
071. નીચે આપેલ જોડકામાંથી કયું જોડકું બંધબેસતું નથી ?
- (A) દળ – કિલોગ્રામ (B) ઘનફળ – લિટર
(C) ક્ષેત્રફળ – મીટર (D) આવક – રૂપિયો

061. If the selling price of an item is doubled, four times the profit is earned. The profit percentage in the initial deal is:
- (A) 100% (B) 150%
(C) 200% (D) 50%
062. The cost price and selling price of a jacket are in the ratio 32:39. Find the profit percentage.
- (A) 21.875% (B) 17.948%
(C) 18.95% (D) 82.05%
063. The median of first seventy even numbers is:
- (A) 70 (B) 71
(C) 72 (D) 71.5
064. Which of the following triplets does not represent sides of a triangle ?
- (A) 2, 3, 5 (B) 1, 2, 3
(C) 2, 3, 3 (D) 2, 6, 9
065. If $(a\% \text{ of } a) + (b\% \text{ of } b) = (2\% \text{ of } ab)$, what percentage of $2a$ is $5b$?
- (A) 150% (B) 200%
(C) 250% (D) 125%
066. In a competition between two singers in a reality show, one got 43% of the total valid votes, 17% of the votes were invalid. If the total number of votes were 50,000, the number of valid votes in favour of the second singer would be
- (A) 17,845 (B) 23,655
(C) 28,500 (D) 20,000
067. Find the next number in the given sequence
3, 10, 29, 84, ____
- (A) 248 (B) 247
(C) 252 (D) 250
068. The standard deviation of the set $\{7, 7, 7, 7, 7, 7\}$ is
- (A) 6 (B) 7
(C) 1 (D) 0
069. What is the ratio of simple interest to compound interest earned on a certain sum at the rate of 20% per annum for three years?
- (A) 75:91 (B) 25:36
(C) 1:9 (D) 25:31
070. A dice is numbered from 1 to 6 in different ways. If 1 is adjacent to 2,3 and 5, is then which of the following statements necessarily true?
- (A) 4 is adjacent to 6
(B) 2 is adjacent to 5
(C) 2 is opposite to 5
(D) 1 is opposite to 4
071. From the given four pairs of words, find the odd one out:
- (A) Mass : Kilogram (B) Volume : Liter
(C) Area : Meter (D) Income : Rupee

072. ઘડિયાળનો કલાક કાંટો અને મિનિટ કાંટો દિવસમાં કેટલી વખત એકબીજાને કાટખૂણે હોઈ શકે ?
 (A) 22 (B) 24
 (C) 44 (D) 48
073. એક હરોળમાં 4 છોકરાઓ અને 5 છોકરીઓને કેટલી રીતથી બેસાડી શકાય કે જેથી બે છોકરાઓ કે બે છોકરીઓ બાજુ-બાજુમાં ન આવે ?
 (A) 2880 (B) 20
 (C) 144 (D) 288
074. 30 વિદ્યાર્થીઓની એક ટુકડીમાંથી કોઈ પણ ત્રણ વિદ્યાર્થીઓને કેટલી રીતથી પસંદ કરી શકાય ?
 (A) 180 (B) 4060
 (C) 17550 (D) 101
075. એક વર્ગ ક્સોટીમાં, A એ B કરતાં 25% ગુણ વધારે મેળવ્યા. B એ C કરતાં 50% ગુણ ઓછા મેળવ્યા. નીચે આપેલ વિધાનમાંથી A અને C માટે કયું વિધાન સાચું છે ?
 (A) C એ A કરતાં 60% ગુણ વધારે મેળવ્યા. (B) C એ A કરતાં 25% ગુણ વધારે મેળવ્યા.
 (C) C એ A કરતાં 37.5% ગુણ વધારે મેળવ્યા. (D) C એ A કરતાં 12.5% ગુણ વધારે મેળવ્યા.
076. એક કોથળીમાં રૂા. 1, રૂા. 2 અને રૂા. 5 ના સિક્કાઓ 5:4:2 ના ગુણોત્તરમાં છે, જેની કુલ રકમ રૂા. 230 થાય છે. કોથળીમાં રૂા. 2 ના સિક્કાની સંખ્યા શોધો.
 (A) 20 (B) 40
 (C) 80 (D) 60
077. નીચે આપેલ કથન માટે કયો નિષ્કર્ષ યોગ્ય છે ?
 કથન :
 P : બધી ખુરશીઓ પાટલી છે.
 Q : કોઈ પણ પાટલી ટેબલ નથી.
 નિષ્કર્ષ :
 (i) : કોઈ પણ ખુરશી ટેબલ નથી.
 (ii) : કોઈ પણ ટેબલ પાટલી નથી.
 (A) માત્ર (i) (B) માત્ર (ii)
 (C) કોઈ પણ વિકલ્પ નહીં (D) (i) અને (ii) બંને
078. કોઈ એક ચોક્કસ રકમ ઉપર છ વર્ષ માટે 9% અને 11% ના વાર્ષિક દરે મળતાં સાદા વ્યાજનો તફાવત રૂા. 1500 છે. તે મૂળ રકમ શોધો.
 (A) રૂા. 75,000/- (B) રૂા. 10,000/-
 (C) રૂા. 25,000/- (D) રૂા. 2,500/-
079. એક વિદ્યાર્થીને પરીક્ષામાં A, B, C અને D ગ્રેડ મેળવવાની સંભાવના અનુક્રમે 0.35, 0.25, 0.18 અને 0.22 છે. વિદ્યાર્થીને ઓછામાં ઓછો C ગ્રેડ મેળવવાની સંભાવના શોધો.
 (A) 0.40 (B) 0.78
 (C) 0.60 (D) 0.82
080. બે મિત્રો આશય અને અક્ષય અનુક્રમે 60% અને 70% કિસ્સાઓમાં સત્ય બોલે છે. તો કેટલા કિસ્સાઓમાં તેમની પ્રતિક્રિયા સમાન હશે ?
 (A) 65% (B) 26%
 (C) 54% (D) 42%

072. How many times a day are the hour and minute hands of a clock at right angles to each-other ?
 (A) 22 (B) 24
 (C) 44 (D) 48
073. In how many ways can four boys and 5 girls be seated in a row, so that no two boys or no two girls are adjacent?
 (A) 2880 (B) 20
 (C) 144 (D) 288
074. In how many ways can we select three students from a batch of thirty students?
 (A) 180 (B) 4060
 (C) 17550 (D) 101
075. In a class test, A scores 25% more than B and B scores 50% less than C. which among the following is true for A and C ?
 (A) C scores 60% more than A. (B) C scores 25% more than A.
 (C) C scores 37.5% more than A. (D) C scores 12.5% more than A.
076. A bag contains 1, 2 and 5 rupee coins in the ratio 5:4:2, amounting to Rs. 230/- The number of 2 rupee coins in the bag is:
 (A) 20 (B) 40
 (C) 80 (D) 60
077. Given statements :
 P : All chairs are benches
 Q : No bench is a table
 judge which of the conclusions follow?
 Conclusions :
 (i) No chair is a table
 (ii) No table is on bench
 (A) Only (i) (B) Only (ii)
 (C) None (D) Both (i) and (ii)
078. The difference between simple interests earned on a certain sum at the rate of 9% and 11% per annum for six years is Rs. 1500/-. What is the sum?
 (A) Rs. 75,000/- (B) Rs. 10,000/-
 (C) Rs. 25,000/- (D) Rs. 2,500/-
079. The probabilities for a student to score grades A, B, C and D in an examination are 0.35, 0.25, 0.18 and 0.22 respectively. What is the probability that the student scores at least C grade?
 (A) 0.40 (B) 0.78
 (C) 0.60 (D) 0.82
080. Two friends Ashay and Akshay speak truth in 60% and 70% of the cases respectively. To what extent do they age in their responses ?
 (A) 65% (B) 26%
 (C) 54% (D) 42%

081. બધી જોડણી સાચી હોય તેવો વિકલ્પ પસંદ કરો.

(A) ઋશિતપર્ણ, ઋષ્યશૃંગ, ઋત્વિજ, ઋતુંભરા

(B) કળિયુગ, કળિકાલ, કળીચૂનો, કળિ

(C) ખાતુન, ખાદીધારી, ખાદીમ, ખદિર

(D) પુનરૂક્તિ, પુરવઠો, પુરવણી, પુરણપોણી

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

1. પૃચ્છા : પ્રશ્ન, તપાસ

2. મોકળું : નિખાલસ, મર્યાદિત

3. મોકલી : મોઢું, મુખ

4. પૃથુ : પહોળું, વિસ્તીર્ણ

(A) ફક્ત 1 અને 2 યોગ્ય છે.

(B) ફક્ત 3 અને 4 યોગ્ય છે.

(C) ફક્ત 1, 3 અને 4 યોગ્ય છે.

(D) ફક્ત 1 અને 4 યોગ્ય છે.

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

1. મેળાપી × દુશ્મન

2. મૈત્રક × પિતૃક

3. વંચિત × સંચિત

4. સંમત × વૈમત્ય

(A) ફક્ત 1 યોગ્ય છે.

(B) ફક્ત 2 યોગ્ય છે.

(C) ફક્ત 2 અને 4 યોગ્ય છે.

(D) ફક્ત 1 અને 4 યોગ્ય છે.

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

રૂઢિપ્રયોગ

અર્થ

1. પેટમાં દાંત હોવા

અંતરમાં વેર હોવું

2. પેટમાં નાખવું

ખાનગી વાત છુપાવવી

3. પેટમાં પેસવું

વિશ્વાસ ઉપજાવવો

4. પેટમાં બળવું

લાગણી હોવી

(A) ફક્ત 1, 2 અને 4 યોગ્ય છે.

(B) ફક્ત 2 અને 3 યોગ્ય છે.

(C) ફક્ત 1, 3 અને 4 યોગ્ય છે.

(D) 1, 2, 3 અને 4 બધા જ યોગ્ય છે.

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

1. વાડ વિના વેલો ન ચડે

2. ભૂત મરે અને પલિત જાગે

3. સાપ કાઢતા ઘો પેઠી

4. આપ મૂઆ વિના સ્વર્ગે ન જવાય

(A) 2 અને 3 સમાનાર્થી કહેવતો છે, 1 અને 4 વિરુદ્ધાર્થી કહેવતો છે.

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

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

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

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

સામાસિક શબ્દ	પ્રકાર
1. હાથછડ	ઉપપદ સમાસ
2. નાલાયકી	કર્મધારય સમાસ
3. વિદ્યાનુરાગી	તત્પુરુષ સમાસ
4. સેવાપૂજા	દ્વંદ્વ સમાસ

(A) ફક્ત 1 અને 3 યોગ્ય છે.

(B) ફક્ત 2 અને 3 યોગ્ય છે.

(C) ફક્ત 1, 2 અને 4 યોગ્ય છે.

(D) 1, 2, 3 અને 4 બધા જ યોગ્ય છે.

087. નીચે આપેલી સંધિ વિશે સાચો વિકલ્પ પસંદ કરો.

1. દન્ત + ઓષ્ઠ = દન્તોષ્ઠ
2. અધર + ઓષ્ઠ = અધરોષ્ઠ
3. અધર + ઓષ્ઠ = અધરોષ
4. દન્ત + ઓષ્ઠ = દન્તોષ

(A) ફક્ત 1 અને 2 સાચા છે.

(B) ફક્ત 1 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 અલંકાર અને છંદના પ્રકારનો યોગ્ય વિકલ્પ પસંદ કરો.

‘મૈત્રી ભાવનું પવિત્ર ઝરણું મુજ હેયામાં વહ્યા કરે
શુભ થાઓ આ સકળ વિશ્વનું એવી ભાવના નિત્ય રહે’.

(A) રૂપક અલંકાર – હરિગીત છંદ

(B) રૂપક અલંકાર – સવૈયા છંદ

(C) શ્લેષ અલંકાર – ઝૂલણા છંદ

(D) શ્લેષ અલંકાર – સવૈયા છંદ

089. નીચે આપેલી કાવ્ય-પંક્તિને ધ્યાને લઈ એના અલંકાર અને છંદના પ્રકારનો યોગ્ય વિકલ્પ પસંદ કરો.

‘હાલા ગાઉં હળુ હળુ હરિ ! હેતથી, જાવ પોઠી,
હેયા કેરા મમ મૃદુ બધા ભાવની સાલ ઓઠી’

(A) વર્ણાનુપ્રાસ અને રૂપક અલંકાર – મંદાકાંતા છંદ

(B) વર્ણાનુપ્રાસ અને યમક અલંકાર – પૃથ્વી છંદ

(C) વર્ણાનુપ્રાસ અને રૂપક અલંકાર – શિખરિણી છંદ

(D) રૂપક અને શ્લેષ અલંકાર – પૃથ્વી છંદ

090. નીચેની વિગતોને ધ્યાને લઈ યોગ્ય વિકલ્પ પસંદ કરો.

1. પ્રાય્ + મુખ = પ્રાગમુખ
2. જાઆવ = ઉપપદ સમાસ
3. વિરુદ્ધાર્થી શબ્દો - નિધન x ધનવાન
4. ‘ગરીબ કોને જોઈ તેનો, અનાદર કરવો નહીં;
કોઈ કાળે આપણી પણ, રે દશા તેવી સહી.’ હરિગીત છંદ

(A) ફક્ત 1 અને 2 યોગ્ય છે.

(B) ફક્ત 1 અને 4 યોગ્ય છે.

(C) ફક્ત 2 અને 4 યોગ્ય છે.

(D) ફક્ત 4 યોગ્ય છે.

091. Do you know _____ way to _____ cricket stadium?
 (A) a / the (B) the / a
 (C) the / the (D) a / a
092. The man was charged _____ murder.
 (A) with (B) of
 (C) at (D) on
093. The car was not too expensive, _____? (*Select the correct question tag*)
 (A) is it? (B) isn't it?
 (C) was it? (D) wasn't it?
094. We _____ that this diamond ring _____ worth at least one lakh rupees.
 (A) have estimated / was (B) have estimated / is
 (C) will estimate / will be (D) are estimating / is
095. If you can't turn the key, try _____ some oil in the lock.
 (A) put (B) to put
 (C) putting (D) to putting
096. You've done an excellent job on it. No one else _____ it better.
 (A) may have done (B) must have done
 (C) could have done (D) shall have done
097. I went into town specially to buy a shirt for the interview, but I didn't see _____ that I liked.
 (A) a few (B) any
 (C) much (D) some
098. You have to complete the work immediately. (*Change the voice*)
 (A) The work have to be completed by you immediately.
 (B) The work has to be completed by you immediately.
 (C) The work is being completed by you immediately.
 (D) The work was to be completed by you immediately.
099. No other metal is as _____ as osmium.
 (A) heavier (B) heavy
 (C) heaviest (D) most heaviest
100. The _____ of the school was a man of _____.
 (A) principal / principal (B) principal / principle
 (C) principle / principle (D) principle / principal

101. *Labeo calbasu* is a
 (A) Minor carp (B) Major carp
 (C) Cat fish (D) Mullet
102. The major fishing zones of the world include
 (A) The Northwest Pacific (B) Northeast Atlantic
 (C) The Western Indian Ocean (D) All of above
103. Critically Endangered Fishes in India:
 (A) All of below (B) Pondicherry shark
 (C) Ganges Shark (D) Large tooth saw fish
104. Smolt is
 (A) As they approach the time when they are ready to migrate out to the sea
 (B) When a fry has grown to roughly the size of a human finger
 (C) When they have matured sufficiently in late spring and are about 15 to 20 centimetres long,
 (D) When the larvae develop further, their yolk sac gets depleted
105. The consignment of imported ornamental fishes shall be accompanied by an import license issued by the
 (A) Directorate General for Trade (B) Directorate General of Foreign Trade
 (C) Director General of Foreign Tour (D) Directorate General of Foreign Tradition
106. OIE listed diseases mean,
 (A) diseases that are referred to in Chapter 1.2.2. of the Aquatic Code.
 (B) diseases that are referred to in Chapter 1.2.1. of the Aquatic Code.
 (C) diseases that are referred to in Chapter 1.2.4. of the Aquatic Code.
 (D) diseases that are referred to in Chapter 1.2.3. of the Aquatic Code.
107. Taura syndrome is found in
 (A) Crustaceans (B) Fishes
 (C) Amphibians (D) Mollusks
108. Rat fish comes under
 (A) Cartilaginous fish (B) Bony fishes
 (C) Lung fishes (D) Coelacanth
109. Biological indicators are direct measures of the health,
 (A) of the flora in the waterways (B) of the fauna in the waterways
 (C) Both (A) and (B) (D) None of the above
110. _____ provides the advisories on the PFZ over Arabian Sea and Bay of Bengal from the thermal infrared channels of NOAA- AVHRR and optical bands in IRS-P4 OCM.
 (A) INCOIS (B) ICOISN
 (C) ICNOIS (D) ISCOIN
111. _____ is responsible for all fishing activity that takes place beyond this limit- the deep sea or EEZ
 (A) The central government (B) The state government
 (C) Both (A) and (B) (D) None of the above

112. PFZ stands for
(A) Present fishing zone (B) Permanent fishing zone
(C) Potential fishing zone (D) Potential Fisheries Zone
113. Fixed engine
(A) means any pen or net or cage or trap for taking fish which is fixed in the soil or made stationary in any other way
(B) means pen or cage for taking fish which is fixed in the soil or made stationary in any other way
(C) means net for taking fish which is fixed in the soil or made stationary in any other way
(D) means trap for taking fish which is fixed in the soil or made stationary in any other way
114. Following factors are responsible to decrease fish abundance
(A) Over exploitation (B) Invasive species
(C) Climate changes (D) All of above
115. First marine national park of India
(A) Gulf of Kutch (B) Gulf of Mannar
(C) Rani Jhansi Park (D) Malvan marine sanctuary
116. Lentic communities are found in
(A) Littoral zone only (B) Limnetic zone only
(C) Profundal zone only (D) Littoral, limnetic zone and profundal zone
117. The shallow water zone on the continental shelf is the Neritic zone, can include
(A) Estuaries only
(B) Estuaries, salt marshes, coral reefs, lagoons and mangrove swamps.
(C) Salt marshes only
(D) Lagoons and mangrove swamps only
118. United nations convention on the law of the sea
(A) a comprehensive legal text that establishes jurisdiction and governance parameters of key issues related to the world's oceans.
(B) commonly called the UN Fish Stocks Agreement
(C) Code of conduct for responsible fisheries
(D) International Plan of Action for the Management of Fishing Capacity
119. Publication of CRZ notification was done in
(A) 1992 (B) 1991
(C) 1990 (D) 1993
120. The CRZ 2011 aims
(A) To conserve and protect coastal stretches
(B) To ensure livelihood security for fishing and local communities.
(C) To promote sustainable development in coastal areas.
(D) All of above

121. CRZ II
 (A) Area lying between the Low Tide Line (LTL) and High Tide Line (HTL)
 (B) Areas lying within the municipal limits, i.e., areas that have already been developed
 (C) Areas that do not belong to either Category CRZ – I or CRZ – III)
 (D) Within 200 meters of HTL, new building construction is not allowed
122. Article 8 related to code of conduct includes section 8.1
 (A) Duties of all states (B) Flag state duties
 (C) Port state duties (D) Fishing operations
123. In Article 8 related to code of conduct, duty of all states.
 (A) All of below
 (B) Ensure selective fishing gear and practices are adopted.
 (C) Regulate transshipment of fish and fishery products at sea.
 (D) Promote adoption of appropriate technology to ensure quality of retained catch.
124. According to Ministry of Agriculture, Government of India, fishing ban period is,
 (A) West coast (June1 - July 31) and east coast (April 1 – May 31) states and Union Territories.
 (B) West coast (June5 - July 1) and east coast (April 5 – May 1) states and Union Territories.
 (C) West coast (June 2 - July 31) and east coast (April 2 – May 3) states and Union Territories.
 (D) West coast (June15 - July 31) and east coast (April 15 – May 31) states and Union Territories.
125. The variety of black mangrove in India is
 (A) *Sonneratia alba* (B) *Avicennia germinans*
 (C) *Rhizophora mucronata* (D) *Navicula viridis*
126. A keel less and frameless boat is
 (A) Catamaron (B) Nauka
 (C) Masula boat (D) Dinghi
127. Shore Seine is generally known as
 (A) Drag Seine (B) Ber jal
 (C) Beach seine (D) Purse seine
128. The net assumes shape of umbrella when it is spread on the water.
 (A) Cast net (B) Gill net
 (C) Cast net (D) Kulnava
129. It is a specialized boat used in the river Ganges for fishing of minnows.
 (A) Dinghi (B) Nava
 (C) Meccho (D) Kulnava
130. The property of fishing gear is called gear selectivity with regard to size selection
 (A) The bigger ones escape through the mesh and medium ones are not gilled
 (B) The medium ones escape through the mesh and very small ones are not gilled
 (C) The smaller ones escape through the mesh and very large ones are not gilled
 (D) All ones escape through the mesh and very large ones are gilled

131. The fine meshed end of the net where the catch is collected,
 (A) is known as fry (B) is known as fingerlings
 (C) is known as spawns (D) is known as codent
132. The term bycatch refers,
 (A) To the non-targeted species retained, sold or discarded for any reason
 (B) To the targeted species discarded for any reason
 (C) To the non-targeted species not discarded for any reason
 (D) None of above
133. Bycatch Reduction Devices can be broadly classified into,
 (A) Four categories based on the type of materials
 (B) Three categories based on the type of materials used for their construction
 (C) Two categories based on the type of materials used for their construction
 (D) Five categories based on the type of materials used for their construction
134. Type of mechanized fishing vessel.
 (A) Purse Seiner (B) Trawlers
 (C) Gill netters (D) All of the above
135. Marine vessels rely for navigation on
 (A) An S-band and X-band radar system (B) An A-band and B-band radar system
 (C) An X-band and Y-band radar system (D) An S-band and X-band radar system
136. ARPA stands for,
 (A) Automatic Radio Plotting Aid (B) Automatic Radar Platter Aid
 (C) Automatic Radar Plotting Animation (D) Automatic Radar Plotting Aid
137. The bridge equipment on a ship is used to measure
 (A) The speed and distance both (B) The Speed
 (C) The Distance (D) None of above
138. Life-saving appliances include,
 (A) Immersion suits, anti-exposure suits and thermal protective aids
 (B) Modern navigation equipment
 (C) Fishing lights
 (D) Transmission system
139. _____ are carried on ships and boats, and signal maritime distress.
 (A) EPIRB (B) SEPIRB
 (C) SSAS (D) ELT
140. Animal fibres are obtained from
 (A) Bacteria (B) Alpaca
 (C) Flax (D) Hemp
141. Bulked Continuous Filament (BCF) fibres' property is
 (A) Physical (B) Chemical
 (C) organic (D) None of above

142. Popper float,
 (A) is the term given to any float which is attached only at the bottom to the line.
 (B) is a straight float with a taper. It is always attached to the line both top and bottom.
 (C) is designed to mimic a large fish feeding at the surface with rod action
 (D) is small hollow balls which are used to control the fishing line
143. Hydrodynamic floats are
 (A) Glass floats (B) Aluminium floats
 (C) Steel Floats (D) Special floats
144. Battery operated buoy are,
 (A) Light buoy (B) Radio buoy
 (C) Dahn buoy (D) In all above buoy
145. It is a topmost part of anchor, helps to attach the warp.
 (A) Crown (B) Ring
 (C) Arm (D) Fluke
146. It is a five prolonged stockless anchor
 (A) Grapnel (B) Patent
 (C) CQR (D) Danforth
147. Most popular classification for fishing gears is given by
 (A) Jorden (B) Von Brandt
 (C) Talwar (D) Gupta
148. Several lines are towed from a boat using outriggers to catch predatory fishes.
 (A) Troll lines (B) Drift lines
 (C) Set Lines (D) Hand lines
149. The removal of the germ cells of sexually mature fish for further farming of indigenous fish species.
 (A) Breeding (B) Induced breeding
 (C) Stripping (D) All of above
150. Long term keeping of gametes or embryo in original condition is called as
 (A) Cryopreservation (B) Preservation
 (C) Fixation (D) Cryofixation
151. Aquaculture practice which is Utilizing minimum land area and water
 (A) Marine water (B) Fresh water
 (C) Sewage fish farming (D) Recirculating
152. Major group of antioxidant polyphenolic compounds
 (A) Lectins (B) Phytate
 (C) Tannins (D) Oxalates
153. Limonene, allicin and betaine are,
 (A) Attractants (B) Binders
 (C) Colouring agents (D) Flavouring agents

154. Organoleptic attributes that directly affects fishes' acceptance and food selection.
 (A) Probiotics (B) Antibiotics
 (C) None (D) Colours
155. During food processing most stable vitamin is
 (A) Pantothenic Acid (B) Folic Acid
 (C) Thiamine (D) Vitamin C
156. Saprolegniasis is a
 (A) Fungal disease (B) Viral disease
 (C) Bacterial disease (D) Ulcerative syndrome
157. Ichthyophthirius spp. in freshwater and Cryptocaryon spp. In brackish water are most common
 (A) Ciliates (B) Bacteria
 (C) Virus (D) Fungal
158. Causative agent of velvet disease in fishes
 (A) *Trichodina.sp* (B) *Amyloodinium ocellatum*
 (C) *Acanthamoeba.sp* (D) *Cryptocaryon irritans*
159. Normal cells usually divide only a limited number of times before losing their ability to proliferate, this cell line is known as,
 (A) Finite (B) Transformation
 (C) Continuous (D) Adherent
160. In cell line culture when cells are bipolar or multipolar, have elongated shapes,
 (A) Cuboidal (B) Lymphoblastic
 (C) Fibroblastic (D) Epithelial culture
161. should only be used as a last resort and only for short term applications, and they should be removed from the cell line culture as soon as possible.
 (A) Vitamins (B) Proteins
 (C) Probiotics (D) Antibiotics
162. Bacterial toxins are divided into _____ types
 (A) 3 (B) 4
 (C) 2 (D) 5
163. Also known as A/B toxins due to their binary functions
 (A) Type I toxins (B) Type III toxins
 (C) Type IV toxins (D) Type II toxins
164. As per classification given by Baltimore Group IV virus have
 (A) ssRNA as their genome with positive polarity
 (B) ssRNA as their genome with negative polarity
 (C) dsDNA as their genome
 (D) ssDNA as their genome
165. _____ is confined to the Andaman and Nicobar group of islands.
 (A) *Labeo rohita* (B) *Catla catla*
 (C) *Pinctada fucata* (D) *Pinctada margaritifera*

166. Spat is a larval form of
 (A) Arthropods (B) Molluscan
 (C) Insecta (D) Major carp
167. *Crassostrea madrasensis* is a
 (A) Catfish (B) Common carp
 (C) Edible oyster (D) Pearl oyster
168. *Perna viridis* is a
 (A) Catfish (B) Carp
 (C) Brown mussel (D) Green mussel
169. *Perna indica* is a
 (A) Cat fish (B) carp
 (C) Brown mussel (D) Green mussel
170. The 'Mussel Fishery Zone' is
 (A) Karnataka state (B) Kerala state
 (C) Gujarat state (D) Andhara coast
171. *Anadara granosa* is a
 (A) Scallop (B) Venerid clam
 (C) Seed clam (D) Blood clam
172. Short curved rods, Motile by single polar flagellum, Endopores absent. Non- encapsulated are characteristic of
 (A) *Aeromonas hydrophila* (B) *Vibrio anguillarum*
 (C) *Aeromonas salmonicida* (D) *Pseudomonas fluorescens*
173. Broken back disease in fishes is caused due to
 (A) Vitamin C deficiency (B) Virus
 (C) Bacteria (D) Fungus
174. No blood disease in fishes is caused due to
 (A) Bacteria (B) Folic acid deficiency
 (C) Virus (D) Fungus
175. External clinical symptoms might include tail rot, superficial ulcerations, mouth erosion, and fin necrosis due to
 (A) *Tenacibaculum maritimum* (B) *Navicula viridis*
 (C) *Salmonella* spp (D) *Stapylococcus* spp
176. The fish viruses containing DNA genomes are listed in the family
 (A) Adenoviridae (B) Birnaviridae
 (C) Nodaviridae (D) Togaviridae
177. The fish viruses containing RNA genomes are listed in the family
 (A) Iridoviridae (B) Adenoviridae
 (C) Herpesviridae (D) Rhabdoviridae
178. Cotton mould is also called
 (A) Saprologniasis (B) Vibriosis
 (C) Salmonosis (D) None of above

179. Disease caused by helminths in fishes is called
 (A) Enterobiasis (B) Paragonimiasis
 (C) fascioliasis (D) All of above
180. Crustaceans causes disease in fish is called
 (A) Lerniasis (B) Argulosis
 (C) Ergasilosis (D) All of above
181. "White spot disease" in fishes is due to,
 (A) *Trichodinella* sp (B) *Tripartiella* sp
 (C) *Ichthyophthirius multifiliis* (D) *Tetrahymena pyriformis*
182. Serves as food for probiotics
 (A) Prebiotics (B) Vitamins
 (C) Proteins (D) Amino acids
183. The commercially important, dominant fish species in the middle and lower reaches of river Ganga is.
 (A) *Catla catla* (B) *Hilsa ilisha*
 (C) *Cyprinus carpio* (D) *Labeo calbasu*
184. The single largest group of fishes found in the Ganga river system
 (A) Cyprinids (B) Trout
 (C) Clupeids (D) Mahasir
185. 'Destratification' by which deeper waters mix with the surface waters in Eutrophic lakes reflects
 (A) Boost in Fish population (B) Threat to fish population
 (C) Boost in benthic population (D) Boost in pelagic population
186. 'Snow Trouts' belong to the genera
 (A) *Schizothorax Haeckel* (B) *Schizothoraichthys Misra*
 (C) *Acrossocheilus Oshima* (D) Both (A) and (B)
187. Maximum landing of Mackerel found along the Indian coasts is
 (A) Eastern coast - 95% (B) Western coast - 95%
 (C) Sunderban - 95% (D) Gulf of Mannar
188. Which among the following Sport Fishes has a pan Indian distribution
 (A) *Wallago attu* (B) *Pangasius pangasius*
 (C) *Rita pavementata* (D) Both (A) and (B)
189. *Gambusia affinis* is an exotic fish introduced from
 (A) U.K 1928 (B) Germany 1928
 (C) Italy 1928 (D) U.S.A 1928
190. Oceanic tuna resources of the Indian EEZ predominantly belong to the Genus
 (A) *Thunnus* (B) *Kastuwonus*
 (C) *Belone* (D) *Chagunius*
191. Broadly, feeding styles of fishes can by categorized into
 (A) Biting type (B) Ram feeding
 (C) Suction feeding (D) All three (A), (B) and (C)

192. Histologically, if the ovary of a teleost fish shows, atretic and discharged follicles along with stage I and stage II oocytes, its in
 (A) Resting Phase (B) Preparatory Phase
 (C) Spawning Phase (D) Post-spawning Phase
193. Pick the correct relation between Gonadosomatic Index (GSI) and the maturation of the fish
 (A) GSI of the fish peaks at resting phase
 (B) GSI of the fish increases with the maturation of the fish
 (C) GSI of the fish peaks at the preparatory phase
 (D) Not applicable
194. AqGRISI stands for
 (A) Aquatic Genome Resource Information System of India
 (B) Aquatic Genetic Resource Information System of India
 (C) Aquatic Genomic Repository Information System of India
 (D) Aquatic Genome Repository Information System of India
195. The first large scale commercial cultivation of Seaweed in India was the venture of
 (A) Pepsi Foods Ltd (B) ITC Ltd
 (C) Coco Cola Ltd (D) Biocon Ltd
196. The Fisheries vessel developed, to promote responsible fisheries under, Sagar Parikrama Phase -2 of Aatmanirbhar Bharat initiative
 (A) Matsya Sampat (B) Matsya Viraat
 (C) Matsya Vrushti (D) Matsya Vardan
197. Which set provides Data for Complete Stock Assessment in Fisheries
 (A) Catch, Biology and Mortality (B) Catch, Abundance and Mortality
 (C) Catch, Abundance and Biology (D) Catch and Mortality
198. The Integrated Analysis Model, considered to be the most complete Fish Stock Assessment Model, is composed of three model layers. Pick the incorrect
 (A) Population Model (B) Migration Model
 (C) Observation Model (D) Statistical
199. The Fultons Condition Factor K is given by the equation
 (A) $K = [IW / IL3] \times 100$ (B) $K = [IL3 / IW] \times 100$
 (C) $K = [IW / IL] \times 100$ (D) $K = [LXW] / 100$
200. The nodal agency that steers the Blue Revolution in India
 (A) Fishery Survey of India (FSI), Mumbai
 (B) National Bank for Agriculture and Rural Development (NABARD), Kochi
 (C) National Fisheries Development Board (NFDB), Hyderabad
 (D) Indian Council of Agriculture Research (ICAR), New Delhi
201. The Exotic Shrimp permitted by the Ministry of Agriculture, Government of India, to be cultured under strict biosecurity regulations
 (A) *Litopenaeus vannamei* (B) *Litopenaeus giganticus*
 (C) *Penaeus vannamei* (D) *Penaeus nudens*

202. Some of the richest Tuna stocks are found in
 (A) The waters of Bay of Bengal (B) The waters of Andamans
 (C) The waters of Lakshwadeep (D) The waters of Sri Lanka
203. When the south –west monsoon commences in India, the shift in the thermocline is
 (A) upward migration reaching, 50-80m (B) upward migration reaching, 20-30m
 (C) lateral migration reaching, 50-80m (D) lateral migration reaching, 20-30m
204. The abundance of the ‘Oil- Sardines’ are indicated by the blooming of the diatom
 (A) *Fragilaria.sp* (B) *Navicla.sp*
 (C) *Pinnularia.sp* (D) *Cosinodiscus.sp*
205. The Wandoor National Park is located at
 (A) North Andamans (B) South Andamans
 (C) North Lakshwadeep (D) South Lakshwadeep
206. *Thunnus obesus* is commonly referred to as
 (A) Big eye Tuna (B) Yellow fin Tuna
 (C) Blue fin Tuna (D) Skipjack Tuna
207. A highly wasteful practice in the Marine Fisheries sector that called for International intervention
 (A) Shark Pouching (B) Shark Harpooning
 (C) Shark Finning (D) Shark Electrocuting
208. The golden mahseer, is scientifically
 (A) *Tor tor* (B) *Tor putida*
 (C) *Tor putitora* (D) *Tor niger*
209. Luxuriant growth of *Gracillaria sp.* is a feature of
 (A) Vembanad Lake (B) Dal Lake
 (C) Chilka Lake (D) Both (A) and (B)
210. The exotic seaweed species, cultivated at India is
 (A) *Nori* (B) *Kappaphycus alverizii*
 (C) *Palmaria palmata* (D) *Sargassum*
211. The term Biohazard refers to
 (A) An organism that poses threat to (primarily) animal / human health
 (B) Substance derived from an organism that poses threat to (primarily) animal / human health
 (C) Over exploitation of resources that poses threat to (primarily) animal / human health
 (D) Both (A) and (B)
212. The health certificate issued by, an exporting country’s Competent Authority, certifying the health status of a consignment of aquatic animals is
 (A) Pre-quarantine Certificate (B) Quarantine Certificate
 (C) Health Certificate (D) Quality Assurance Certificate

213. Hatcheries and farms intending to breed and culture Sea bass requires to be registered with
 (A) Central Marine Fisheries Research Institute
 (B) Coastal Aquaculture Authority of India
 (C) Fisheries Survey of India
 (D) National Fisheries Development Board
214. As Zone', except
 (A) Hatchery
 (B) Nucleus Breeding Centre
 (C) Brood Stock Multiplication Centre
 (D) All three A, B, and C per CAA Regulation Act 2024, no coastal aquaculture shall be carried on in the 'No Development
215. Monitoring Control and Surveillance, demands immediate intervention in promoting measures to curb IUU fishing. IUU stands for
 (A) International Unreported and Unregulated
 (B) Illegal Universal Union
 (C) Illegal Unreported and Unregulated
 (D) Inter-State Unreported Union
216. The maritime boundaries shared by India in the Eastern coast include
 (A) Sri Lanka, Bangladesh (B) Myanmar, Thailand, Indonesia
 (C) Sri Lanka, Bangladesh, Thailand (D) Both (A) and (B)
217. The FAO Code of Conduct for Responsible Fisheries, elaborates fishing operations comprehensively in
 (A) Article 8 (B) Article 2
 (C) Article 5 (D) Article 10
218. Which among the following are protected groups, under the Wildlife Protection Act 1972
 (A) Turtles (B) Sea horses
 (C) Corals (D) All three (A), (B) and (C)
219. To potentiate Women involvement in Fisheries sector the '8th Global Conference on Gender in Aquaculture and Fisheries' was held at
 (A) Kochi, Kerala in November 2022
 (B) Chennai, Tamil Nadu in November 2022
 (C) Ahmedabad, Gujarat in November 2022
 (D) Mumbai, Maharashtra in 2022
220. Total Allowable Catches for most commercial Fish Stock are
 (A) Set annually for most Fish Stock
 (B) Set every two years for Deep sea Fish Stock
 (C) Set as and when demand sets in
 (D) Both (A) and (B)

221. A country belonging to European Union, close/shut down its Fisheries for a specific species, if
 (A) The country has over fished its quota
 (B) The country's available quota for that species is exhausted
 (C) The country has violated the fishing boundaries
 (D) None of the above
222. Subject to, UNCLOS, ships of all states, enjoy the 'Right of innocent passage', through
 (A) Exclusive Economic Zone (B) Deep Sea
 (C) Territorial Sea (D) International Channels
223. The laws regarding Exclusive Economic Zone, is elaborated in UNCLOS under
 (A) Part V Articles 55 to 75 (B) Part VI Article 55to 75
 (C) Part V Article 20 to 45 (D) Part VI Article 20 to 45
224. The National Water Development Agency has identified 30 links, under the Inter Linking of Rivers Programme, these are
 (A) 15 under Peninsular Component and 15 under Himalayan Component
 (B) 20 under Peninsular Component and 10 under Himalayan Component
 (C) 16 under Peninsular Component and 14 under Himalayan Component
 (D) 12 under Peninsular Component and 18 under Himalayan Component
225. The proposed, Par-Tapi –Narmada Link Project is going to benefit
 (A) Gujarat and Madhya Pradesh (B) Madhya Pradesh and Rajasthan
 (C) Gujarat and Rajasthan (D) Maharashtra and Gujarat
226. Which group qualify to be Passive fishing devices?
 (A) Gill-nets, Cast-nets and Scoop –nets Gfd
 (B) Gill-nets Trammel-nets and Screens
 (C) Gill-nets, Seines and Screens
 (D) Gill-nets, Purse-nets and Trammel-nets
227. The largest nets used for active fishing
 (A) Seines (B) Gill-nets
 (C) Screens (D) Purse nets
228. One of the important characteristics of the Trawls is
 (A) Mesh size increases from the wings to the cod end
 (B) Mesh size decreases from the wings to the cod end
 (C) Float line is present at the center of the cod end
 (D) Float line is present at the lateral margins of the mouth
229. In case of Electric fishing the order of increasing intensity of Narcotizing effect of the current is expressed as
 (A) D.C. < A.C. < I.C. (B) A.C. < D.C. < I.C.
 (C) I.C. < D.C. < A.C. (D) D.C. < I.C. < A.C.
230. Echo Sounders, the widely used fish finders, provide information extending to the depth of
 (A) 100 m (B) 200 m
 (C) 300 m (D) 400 m

231. The two types of corrosion protection methods used, the galvanic and impressed current are
 (A) Anodic protection (B) Cathodic protection
 (C) Generalized protection (D) Both (A) and (C)
232. As per the International Standard Statistical Classification of Fisheries Vessels (ISSCFV) by vessel type, the code for Trawler is
 (A) 5 (B) 4
 (C) 1 (D) Not Applicable
233. The ISSCFV code for, multipurpose vessel is
 (A) 15 (B) 20
 (C) 10 (D) 05
234. Among the popular materials used in the construction of boats and ships, the one viable/suitable for beach landing type fishing vessel is
 (A) Wood (B) Steel
 (C) Fiberglass (D) Fiberglass reinforcement plastic
235. The design and construction of fishing vessel is carried out as per the registration rules of
 (A) FAO (B) Fish farmers cooperatives
 (C) The concerned country (D) International Fish Unions
236. The Research Vessel used for the Fisheries Data Collection by CIFT is
 (A) Sagar Vikas (B) Matsya Vikas
 (C) Sagar Harita (D) Matsya Harita
237. Underwater vehicles used to study life in the Ocean include
 (A) Autonomous Underwater Vehicles (AUVs)
 (B) Manned Submersibles
 (C) Remotely Operated Vehicles (ROVs)
 (D) All three (A), (B) and (C)
238. Winches are commonly used in fishing vessels to
 (A) to move fish and bait out of the water
 (B) haul in nets, lines or hooks
 (C) to haul anchors
 (D) All three (A), (B) and (C)
239. Pick the four-stroke engine which is also known as inboard/outboards (I/Os)
 (A) Jet Board (B) Stern Drives
 (C) Gas inboard Engines (D) None of these
240. The state leading in Black Tiger Shrimp culture is
 (A) Gujarat (B) West Bengal
 (C) Kerala (D) Andhra Pradesh
241. An exclusive hamlet of Scheduled Tribe Aquaculture farmers adopted by MPEDA under Tribal Sub Plan
 (A) "Nirmala Nagar" in Andhra Pradesh (B) "Vimala Nagar" in Karnataka
 (C) "Kamala Nagar" in Maharashtra (D) "Pratibha Nagar" in Gujarat

242. The shift in the Indian Fisheries sector during the year 2000-2001 to 2021-2022
- (A) 50% Inland Fisheries: 50% Marine Fisheries to 25% Inland Fisheries: 75% Marine Fisheries
- (B) 55% Inland Fisheries: 45% Marine Fisheries to 45% Inland Fisheries: 55% Marine Fisheries
- (C) 40% Inland Fisheries: 60% Marine Fisheries to . 30% Inland Fisheries: 70% Marine Fisheries
- (D) 25% Inland Fisheries: 75% Marine Fisheries to 40% Inland Fisheries: 60% Marine Fisheries
243. Integrated Multi-Trophic Aquaculture (IMTA) is the culture system based on
- (A) fed aquaculture species and inorganic extractive species
- (B) organic extractive species and bottom feeders
- (C) surface feeders and bottom feeders
- (D) Both (A) and (B)
244. For an IMTA system profitability indicators include
- (A) Net Present Value (NPV) and Pay Back Period (PBP)
- (B) Internal Rate of Return (IRR) and Benefit Cost Ratio (BCR)
- (C) Pay Back Period (PBP) and Market Value (MV)
- (D) Both (A) and (B)
245. Nutrient retention and bio-mitigation are optimized in
- (A) Intensive Aquaculture System (B) Mono culture System
- (C) Integrated Multi-Trophic System (D) Auto-recycling system
246. Most of the seaweeds belong to one of the following three divisions. Pick the incorrect one
- (A) Chlorophyta (B) Phaeophyta
- (C) Cyanophyta (D) Rhodophyta
247. The seaweed, commercially cultured for the production of Alginates, belong to
- (A) Cyanophyta (B) Rhodophyta
- (C) Phaeophyta (D) Chlorophyta
248. Probably the most suited candidate for culturing in sewage irrigated pond is
- (A) *Catla sp* (B) *Tilapia sp*
- (C) *Clarias sp* (D) *Channa sp*
249. Pick the merit(s) in Pen culture system
- (A) Assured non-stop process (B) Low capital investment
- (C) No danger of Mass Mortality (D) All three (A), (B) and (C)
250. What is the significance of non-conventional fisheries resources?
- (A) They are only found in deep-sea oceanic islands
- (B) They are not targeted for commercial exploitation
- (C) They are highly regulated and protected
- (D) They contribute to the diversity of fisheries resources

251. What is the primary goal of global trends in fisheries production?
 (A) To increase the capture of endangered species
 (B) To reduce the impact of fisheries on the environment
 (C) To increase the sustainability of fisheries resources
 (D) To export fisheries products to other countries
252. Which of the following is not the purpose of studying length-weight relationships in fish?
 (A) To determine the age of fish (B) To study growth rates
 (C) To assess reproductive biology (D) To estimate the fish habitat
253. What is the concept of Maximum Sustainable Yield (MSY) in fisheries?
 (A) The maximum yield that can be extracted from a fish population without affecting its long-term viability
 (B) The maximum yield that can be extracted from a fish population in a given year
 (C) The maximum economic yield that can be obtained from a fish population
 (D) The maximum number of fish that can be harvested without affecting the ecosystem
254. Which tool is used for ecosystem-based fisheries management?
 (A) Length-weight relationships (B) Catch per unit effort
 (C) Remote sensing (D) Virtual Population Analysis
255. What is the purpose of Monitoring, Control, and Surveillance (MCS) systems in fisheries?
 (A) To monitor fish populations in real-time
 (B) To control fishing activities to prevent overfishing
 (C) To survey fish habitats and breeding grounds
 (D) To monitor the health of fish populations
256. Which model is used for fish stock assessment?
 (A) Length-weight relationships (B) Catch per unit effort
 (C) Virtual Population Analysis (D) Maximum Sustainable Yield
257. What is the significance of remote sensing in fisheries?
 (A) To monitor fish populations in real-time
 (B) To control fishing activities
 (C) To map and forecast fishery resources
 (D) To assess the overall health of fish populations
258. Which concept is used to estimate the economic benefits of a fish population?
 (A) Maximum Sustainable Yield (B) Catch per unit effort
 (C) Maximum Economic Yield (D) Length-weight relationships
259. The layer with the highest temperature and dissolved oxygen is
 (A) Epilimnion (B) Hypolimnion
 (C) Hyperlimnion (D) Metalimnion
260. Ocean acidification causes the reduction in concentration of which of the following ions?
 (A) Carbonate (B) Bicarbonate
 (C) Sulphate (D) Silicate

261. Which of the following methods are considered to be the most sustainable?
 (A) Seafloor trawling (B) Drift nets
 (C) Purse seining (D) Circle hook and line fishing
262. Which of the following is a Ramsar site found in Gujarat?
 (A) Sukhna lake (B) Ashtamudi lake
 (C) Wadhvana lake (D) Harike wetland
263. Which of the following best defines ranching?
 (A) It is a type of fish farming in which juvenile fish are released into the ocean to grow unprotected.
 (B) It is a type of fish farming in which fry are released into the ocean to grow unprotected.
 (C) It is a type of fish farming in which only when the fish turns into an adult, are released into the ocean.
 (D) It is a type of fish farming in which fingerlings are released into the ocean to grow unprotected.
264. In which of the zones, sunlight doesn't penetrate?
 (A) Benthic (B) Pelagic
 (C) Littoral (D) Photic
265. Which of the following statements is true about continental shelf?
 (A) It never exceeds beyond 50km in width.
 (B) It only harbours secondary consumers.
 (C) It is a source of petroleum and natural gas.
 (D) In India, the western coast has wider continental shelves than the eastern coast.
266. What role does habitat conservation play in fisheries management?
 (A) It has no significant impact on fish populations.
 (B) It helps maintain biodiversity but does not affect fish stocks.
 (C) It provides essential breeding and feeding grounds for fish populations.
 (D) It only benefits non-commercial species, not those targeted by fisheries.
267. Which international agreement aims to combat illegal, unreported, and unregulated (IUU) fishing through a system of port State measures?
 (A) Stockholm Declaration
 (B) Convention on Biological Diversity (CBD)
 (C) FAO Port State Measures Agreement (PSMA)
 (D) Ramsar Convention
268. Which government body in India is primarily responsible for formulating and implementing fisheries policies?
 (A) Ministry of Environment, Forest and Climate Change
 (B) Ministry of Agriculture and Farmers Welfare
 (C) Ministry of Fisheries, Animal Husbandry and Dairying
 (D) Ministry of Rural Development

269. Marine Protected Areas (MPAs) are used in fisheries management primarily to
- (A) Maximize fish catches in designated areas
 - (B) Provide recreational opportunities for tourists
 - (C) Protect critical habitats and conserve marine biodiversity
 - (D) Promote commercial aquaculture ventures
270. Which of the following is an example of input control in fisheries management?
- (A) Setting catch limits
 - (B) Implementing gear restrictions
 - (C) Establishing marine protected areas
 - (D) Subsidizing fuel costs for fishing vessels
271. Which of the following is NOT a commonly used DNA marker in stock identification studies?
- (A) Allozymes
 - (B) RAPD
 - (C) AFLP
 - (D) PCR-RFLP
272. In DNA marker analysis for stock identification, what does RAPD stand for?
- (A) Randomly Amplified Polymorphic DNA
 - (B) Restricted Amplification Polymorphism Detection
 - (C) Random Accessible Primer Design
 - (D) Repetitive Amplification Primer DNA
273. Which of the following DNA markers is characterized by short tandem repeat sequences?
- (A) RAPD
 - (B) AFLP
 - (C) Microsatellites
 - (D) Allzymes
274. Which laboratory assay is commonly used to analyse single nucleotide polymorphisms (SNPs) in fisheries stock identification?
- (A) Southern blotting
 - (B) Western blotting
 - (C) Allele-specific PCR
 - (D) Fluorescence in situ hybridization (FISH)
275. Which laboratory technique is often employed to analyze mitochondrial DNA (mtDNA) markers in fisheries stock identification?
- (A) DNA sequencing
 - (B) Reverse transcription PCR (RT-PCR)
 - (C) Enzyme-linked immunosorbent assay (ELISA)
 - (D) Immunohistochemistry (IHC)
276. What is the primary advantage of Next Generation Sequencing (NGS) over traditional Sanger sequencing for species identification in fisheries?
- (A) NGS provides longer read lengths
 - (B) NGS is more cost-effective per base pair sequenced
 - (C) NGS requires less DNA sample input
 - (D) NGS is less sensitive to DNA degradation
277. Which NGS platform is commonly used for targeted amplicon sequencing in fisheries for species identification?
- (A) Illumina MiSeq
 - (B) PacBio Sequel
 - (C) Oxford Nanopore MinION
 - (D) Ion Torrent PGM

278. In metabarcoding studies for species identification in fisheries, what is the typical target region of the DNA barcode that is amplified using NGS?
- (A) 18S ribosomal RNA gene
(B) Cytochrome c oxidase subunit I (COI) gene
 (C) Internal transcribed spacer (ITS) region
 (D) Cytochrome b gene
279. Which of the following statements accurately describes the use of Expressed Sequence Tag (EST) markers in fisheries stock identification?
- (A) EST markers are primarily employed to analyze genetic variations within coding regions of the genome
 (B) EST markers are used to assess DNA methylation patterns in fish populations.
(C) EST markers provide information about gene expression levels, aiding in identifying unique genetic signatures among fish stocks.
 (D) EST markers are specifically utilized to study chromosomal rearrangements in fish populations.
280. How does Next Generation Sequencing (NGS) contribute to the identification of hybridization events in fisheries stock populations?
- (A) By analysing genetic variations within non-coding regions of the genome.
 (B) By quantifying gene expression levels across different tissues or conditions
(C) By sequencing multiple nuclear and mitochondrial loci to detect introgression from multiple parental species.
 (D) By studying chromosomal rearrangements in hybrid individuals
281. Which of the following best defines the surimi process?
- (A) It is a process by which fish is caught using draft net.
(B) It is a process in which fish is repeatedly washed to obtain a wet concentrate of myofibrillar protein.
 (C) It is a process in which fish is maintained in optimum conditions in a caged culture.
 (D) It is a process by which the salinity is optimized in aquaculture farms.
282. In modified atmospheric packaging (MAP), the shelf life of foods is increased by adding an inert filler. Which of the following is the inert filler?
- (A) Helium (B) Argon
(C) Nitrogen (D) Silica
283. The most commonly used retort pouch is three-layered laminate. Which of the following is a part of it?
- (A) Polyethylene (B) Microbial film**
 (C) Nitrocellulose layer (D) Lignin layer
284. Which element is majorly used for food irradiation?
- (A) Cobalt 60 (B) Nickel 60**
 (C) Iron 60 (D) Magnesium 60
285. Which of the following defines the application of benzoic acid in the fisheries sector?
- (A) Preservative (B) Inert filler**
 (C) Packaging material (D) Freezing solution

286. Which of the following exhibit cryoprotective properties during repeated freezing thaw cycles?
 (A) Lactic acid (B) Sucrose
 (C) Honey (D) Milk of magnesia
287. Pick the CORRECT statement
 (A) Freezing process involves preserving the fish at 0°C.
 (B) During freezing process, ice crystals are formed which inhibits microbial growth.
 (C) Freezing process can be accomplished in a refrigerator.
 (D) Chilling method is preferred over freezing for fish.
288. Which parameter is NOT considered an intrinsic factor for fish preservation?
 (A) pH level (B) Water activity
 (C) Temperature (D) Packaging materials
289. What is a common modification of an extrinsic parameter for fish preservation?
 (A) Increasing salt content (B) Decreasing oxygen availability
 (C) Adjusting pH level (D) Enhancing nutrient content
290. What microorganism is commonly associated with the spoilage of chilled fish?
 (A) *Listeria monocytogenes* (B) *Salmonella spp.*
 (C) *Pseudomonas spp.* (D) *Clostridium botulinum*
291. What term refers to the relationship between the quantity of fish supplied to the market and the price at which it is sold?
 (A) Demand elasticity (B) Price elasticity
 (C) Supply elasticity (D) Market equilibrium
292. Which factor influences the demand for fish and fish products in both domestic and export markets?
 (A) Availability of substitutes (B) Government regulations
 (C) Consumer income levels (D) Fishing seasonality
293. What does the term “cold chain” refer to in modern marketing methods for fish products?
 (A) Transportation of fish at room temperature
 (B) Maintaining consistent temperature from harvest to sale
 (C) Freezing fish at multiple stages of processing
 (D) Utilizing cold-water species only
294. What mechanism aims to remove trade barriers and promote international cooperation in fisheries?
 (A) Bilateral agreements (B) Regional trade blocs
 (C) Free trade zones (D) Multilateral agreements
295. What ICT tool provides real-time information on market prices and demand trends in the fisheries sector?
 (A) Computer-assisted instructions (B) Social media platforms
 (C) Market information systems (D) Web technologies
296. What ICT tool provides access to information on fishing regulations and safety guidelines?
 (A) Social media platforms (B) Teleconferencing
 (C) Web technologies (D) Radio broadcasting

297. What ICT tool tracks and tracks seafood products along the value chain?
(A) Video conferencing (B) GPS technology
(C) Radio broadcasting (D) Teleconferencing
298. What innovative farming method is gaining popularity in aquaculture for its sustainability?
(A) Traditional pond culture (B) Open ocean cages
(C) Recirculating aquaculture systems (D) Flow-through systems
299. What technology is used to study the movement patterns and behavior of fish populations?
(A) Binoculars (B) Sonar
(C) Magnifying glass (D) Acoustic telemetry
300. What is the term used for the practice of farming multiple species in the same aquatic environment?
(A) Monoculture (B) Polyculture
(C) Integrated multitrophic aquaculture (D) Sequential cropping