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## General Knowledge 0.2 For Pin Number 6

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### Abstract

This work presents 22 number of cards from different disciplines focused on lower grade english, amharic, geez, physics, biology, chemistry and mathematics subject. Jester cards are Tense, Slope, Oscillation, Extinction, Solid and  $\lambda$ .

## 1 መግቢያ

አሁን ባለንበት ዘመን የአንባቢያን ማህበረሰብ እየቀነሰ መምጣት አሳሳቢ ደረጃ ላይ ደርሷል። በብዙ ምክኒያት ሰዎች ቁጭ ብለው ማንበብ የተውበት ጊዜ ነው። ለምሳሌ ጠቃሚ ያልሆነ ሶሻል ሚዲያ ላይና በአልባሌ ቦታወች ጊዜን ማጥፋት ከብዙወቹ ትንሾቹ ምክኒያቶች ናቸው። በ2017 ዓ.ም ዳኛቸው ለዚህ የሚሆን መፍትሄ ብሎ ያቀረበው 0 ወይም 1 ጫዋታ በሚል ርእስ የተዘጋጀ ትልቅ አክሲዮን ማህበር አለ። ይህ አክሲዮን ማህበር ከላይ የተጠቀሰውን ችግር በሚከተሉት መልኩ መፍታት ይቻላል ብሎ ያምናል። በዚህ ፅሁፍ ውስጥ የተካተተው መፍትሄ አሳማኝ ሆኖ አግኝተነዋል (ለበለጠ መረጃ የ 0 ወይም 1 መመስረቻ ፅሁፍን ይመልከቱ)። በዚህ አክሲዮን ማህበር የቀረበውን መፍትሄ ባጭሩ እንደሚከተለው አስቀምጠነዋል።

- (1) ማንበብን ወይም ጥናትን መዝናኛና ገንዘብ ማግኛ እንዲሁም ደግሞ ሽልማት የሚያስገኝ ማድረግ። ከማጥኛ ወይም አዲስ እውቀትን ከማግኛ ዘዴወች ውስጥ አንደኛው ነገሮችን በተመሳሳይነታቸው በማዛመድ ማወቅ ነው። ለምሳሌ የአንድ እንግሊዘኛ ቃል ብዙ ተመሳሳይ ቃላቶች አሉት። እነሱን በማዛመድ

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ለመሸምደድ መሞከር ጥሩ ከሚባሉት ዘዴዎች ውስጥ አንዱ ነው። ግን ደግሞ ይሄን ልምምዶችን አይረቢ ለማድረግ በጨዋታ መልክ ሆኖ በቡድን እየተዝናኑና እየተወያዩ ሲሆን ተመራጭ ያደርገዋል። ካርድ በማዘጋጀት የእንግሊዘኛ ቃላቶችን ማጥናት በሚል ዙሪያ የተጠኑ ሳይንሳዊ ጥናቶች አሉ (ለምሳሌ፣ እነዚህን ይመልከቱ፣ [1, 2, 3, 7, 8, 9, 10, 11, 12, 15])

- (2) ነገሮችን በአይነት አይነታቸው እያዛመዱ ማወቅ ያመራምራል፣ ጠያቂ ያደርጋል፣ ከጓደኛ ጋር ያከራክራል፣ ማመሳከሪያ መፅሃፍ ፍለጋ እስከመሄድ ድረስ ያደርሳል። እናም በዚህ መልክ ሲሆን ያን ነገር ለመርሳት ብዙ ጊዜ ይጨርሳል።
- (3) ማዛመዱን ደግሞ ከጓደኛ ጋር ሆነው እየተዝናኑ በጨዋታ መልክ ካደረጉትና እውቀትንና ማወቅን ለማበረታት ደግሞ ለአሸናፊው ጉርሻ በመስጠት ከሆነ ጨዋታውም ተወዳጅ ይሆናል ማለት ነው።
- (4) ከላይ ከ1-3 የተጠቀሱትን መፍትሔዎች ለማከናወን የተለያዩ አይነት አዝናኝ ጨዋታዎችን ማዘጋጀት።

በዚህ ወረቀት ውስጥ፣ ለ 0 ወይም 1 ጨዋታ የሚሆን ካርድን አዘጋጅተናል። ያዘጋጀነው ካርድ ለጠቅላላ እውቀት 0.2 የሚሆን ሲሆን ከዚህ በፊት ያልተዘጋጁ ካርዶችን የሚዳስስ ነው። ያዘጋጀነውን የካርዶችን መረጃ ባጭሩ እንደሚከተለው ገልፀንዋል። የመርፌ ብዛት=6 እና  $k=2$  ቢሆኑ። ስለዚህ  $n=8*2+6=22$  ይሆናል። ስለዚህ አጫዋች ካርዶችን ጨምሮ ባጠቃላይ 22 ካርዶች አሉ። ተጫዋች ካርዶች፣  $22 - 6 = 16$  ካርዶች ይሆናሉ፤ 16 ደግሞ የ 8 ብዜት ነው (ለበለጠ መረጃ የዜሮ ወይም አንድ መመስረቻ ፅሁፍን ይመልከቱ)። አጫዋች ካርዶች የሚከተሉት ናቸው፤ Tense፣ Slope፣ Oscillation፣ Extinction፣ Solid፣ እነ ናቸው።

## 2 አጫዋች ካርዶች (Jester Cards)

**Definition 2.1** (Tense). *In grammar, “tense” refers to a category that expresses the time of an action, event, or state as described by a verb (see, Comrie, 1985 [6]).*

*Example: The sentence “She walks to school” is in the present tense, while “She walked to school” is in the past tense.*

**Definition 2.2** (Slope). *In mathematics, the slope of a line is a measure of its steepness, defined as the ratio of the change in the y-coordinate to the change in the x-coordinate, that is, the slope of the change from  $(x_1, y_1)$  to  $(x_2, y_2)$  is given by  $(y_2 - y_1) / (x_2 - x_1)$  (see, Stewart, 2016 [13]).*

*Example: The slope of the line passing through (1,2) and (3,6) is  $(6 - 2) / (3 - 1) = 2$ .*

**Definition 2.3** (Oscillation). *In mathematics and physics, oscillation refers to any repetitive variation, typically in time, of a quantity around a central value or between two or more different states (see, Strogatz, 2018 [14]).*

*Example: A pendulum swinging back and forth exhibits oscillation.*

**Definition 2.4** (Extinction). *In biology, extinction is the complete disappearance of a species from Earth, occurring when the last individual of the species dies (see, Ceballos et al., 2015 [5]).*

*Example: The dodo (*Raphus cucullatus*) became extinct in the late 1600s due to human activities.*

**Definition 2.5** (Solid). *In physics and materials science, a solid is a state of matter characterized by structural rigidity and resistance to changes in shape and volume (see, Callister & Rethwisch, 2020 [4]).*

*Example: Ice is a solid form of water.*

**ትርጉም 2.1** (አነ). አነ ማለት የግእዝ ቃል ሲሆን ትርጉሙም እኔ ማለት ነው።

### 3 ተጫዋች ካርዶች ከነእጫዋቻቸው (Player Cards with their Jester)

1. Tense=Time=Period=ጊዜ
2. Slope=Gradient=Incline=Steepness
3. Oscillation=Vibration=fluctuation=Wave
4. Extinction=Disappearance=Eradication=Elimination
5. Solid=Firm=Rigid
6. እነ=እኔ=Me

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