ENHANCEMENT OF VOCABULARY THROUGH PUZZLES & QUIZZES

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Abstract

There are so many strategies to improve teaching learning processes in English but I think without enhancing vocabulary of the students, a teacher cannot succeed easily. So, my research paper would be based on the tactics of Vocabulary Enhancement in an easy and playful way. There are so many websites which claim like this but I like www.armoredpenguin.com which contains a number of useful resources for the teachers, educators, and the students to make and use puzzles of various types in their teaching-learning process. Besides this website, Google Forms also offers a platform to create online quizzes according to the specific needs of the learners. These technical resources can be very effective as this may make use of the surplus energies of the students in right direction and the students can learn in the playway spirit. The resources on the www.armoredpenguin.com website are in the form of Crosswords, Wordsearch, Wordscramble, Cipher/Secret Code, Word Match, Bagels and FreshWords Generators which enables the website user to type in a list of his or her selected words and clues to generate a puzzle of his or her own kind with so many variations to suit his or her particular need to generate the puzzle accordingly. The paper entitled "Development of Vocabulary through Puzzles" was presented in one day National Seminar on "Innovative Practices in the Teaching- Learning of English Language in School Education" on dated 30th November, 2017, organized by Department of Planning and Administration, SCERT Delhi. The paper had been selected for inclusion in their book "Adding Feathers 2019-20" but could not be published.

Keywords: *HTML, Crosswords, Word Search, Word Scramble, Word Match, Fresh Words, Cipher/ Secret Code, Bagels, QR Codes, Google Drive, Google Form, Blank Quiz, Questions, Responses, Settings, Multiple Choice Grid, Checkbox Grid, Make This a Quiz, Responses, Presentation, and Defaults, Telegram, Bots.*

Introduction: Vocabulary plays a very important role in the development of reading, writing and speaking skills in the students. One of the main objective of teaching English language and literature at the UG and PG level is to equip the learners with the excellent communication skills in English language. Good command over word stock is the corner stone of good communication skills which also facilitates oratory skills. In the age of the technology, it becomes our duty to use the modern technology in our teaching-learning processes in order to keep pace with the technological advances. When the knowledge is combined with technology, the combination produces extraordinary results. In this paper, we would learn to make various types of puzzles.

There are so many types of puzzles which can be made online to develop the vocabulary of the students. **Words search** is one such puzzle. This webpage enables the users to create his own **Word search Puzzles** with his/ her own list of words. First of all, the user has to enter the selected words either in the given format by just typing on the respective webpage or by creating, storing and uploading a plain text file on webpage which contains one

word per line. You can enter around 54 words in a single puzzle. You can type title, author's name and description of the puzzle to let the readers know about it. You can set the color of the puzzle, it's background colour, size of the font for puzzle grid, size of the font for words list, HTML font style, PDF page size, PDF font style, converting of the entered alphabets in the desired case, minimum puzzle size, aspect ratio i.e. number of columns and rows required in the puzzle, puzzle format i.e. Directions in which the words are allowed, filling with English letters from a to z randomly instead of taking alphabets from the list of words that had been entered by the user, sort word list, randomize words list, words at bottom of page (normally at right side of the puzzle), number of columns for words at bottom of page, grid lines to locate the alphabets more easily on the puzzle chart, grid co-ordinates on puzzle to let the users discuss the solution in their groups, Maths equations, omitting special words from the answer key (Bonus Words, Distractor Words). After selecting the required options, just hit the "**Make Puzzle**" button to get the puzzle in the pdf or HTML format. This provides the learner an opportunity to search words within a square or rectangle of different types of alphabets.

The other alternates are to make and solve Crosswords, Word Matching, Word Scramble, Bagels, Freshword Puzzle Maker, and Cipher. A **Crossword** is a puzzle consisting of a grid of blank squares wherein words appearing vertically and horizontally are written according to the given clues. **Word Matching** is a puzzle in which definitions are matched with their specific keywords. In **Word Scramble**, words are automatically jumbled by the programme to challenge the user to match with their right words. **Bagels** is another logical game in which two players choose and guess a three digit number to solve the challenge. **Freshword Puzzle Maker** asks the users to enter the word or letters to use out of which so many words can be created automatically by the online software with a choice of number of alphabets in the shortest word to be created. The **Cipher** puzzle generator enables you to type in a list of your words and generate a **"Secret Code"** that scrambles up the words with a particular decoding key. It provides sufficient opportunity to practice with words. I hope this would facilitate our teachers and learners to a great extent.

Crossword Instructions:

Across

3. A puzzle consisting of a grid of blank squares wherein words appearing vertically and horizontally are written according to the given clues.

6. This provides the learner an opportunity to search words within a square or rectangle of different types of alphabets

Down

1. It asks the users to enter the word or letters to use out of which so many words can be created automatically by the online software with a choice of number of alphabets in the shortest word to be created

2. Rearrange the letters to form the correct word. It enables you to type in a list of your words and generate a scrambled set of letters that match your words.

4. A logical game in which two players choose and guess a three digit number to solve the challenge

5. Definitions are matched with their specific keywords, word scramble in which words are automatically jumbled by the

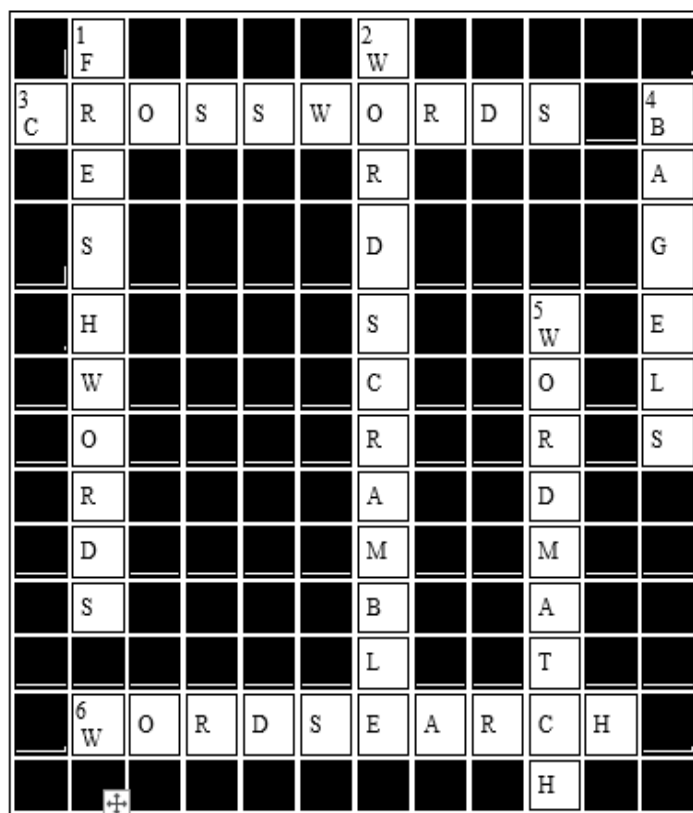programme to challenge the user to match with their right words

TYPES OF PUZZLES (SANJEEV KUMAR BANSAL)
WORDSCRAMBLE

rCwrososds	Crosswords
caedrhoWrS	WordSearch
rSrmWoadcelb	WordScramble
doarWMhtc	WordMatch
aBgels	Bagels
oFdhssWrer	FreshWords

TYPES OF PUZZLES (SANJEEV KUMAR BANSAL)

TYPES OF PUZZLES THAT CAN BE CREATED ONLINE. CROSSWORDS

TYPES OF PUZZLES (SANJEEV KUMAR BANSAL): W ORDMATCH

Crosswords	6	1	It asks the users to enter the word or letters to use out of which so many words can be created automatically by the online software with a choice of number of alphabets in the shortest word to be created
WordSearch	2	2	This provides the learner an opportunity to search words within a square or rectangle of different types of alphabets
WordScramble	5	3	A logical game in which two players choose and guess a three digit number to solve the challenge
WordMatch	4	4	Definitions are matched with their specific keywords, word scramble in which words are automatically jumbled by the programme to challenge the user to match with their right words
Bagels	3	5	Rearrange the letters by clicking and dragging them left or right to form the correct word
FreshWords	1	6	A puzzle consisting of a grid of blank squares wherein words appearing vertically and horizontally are written according to the given clues

FreshWordpuzzlemaker

The words in **DELHI** of length of at least 3 are:

del die eli led lei lid
lie hid hie deli lied held
hide hied idle delhi

The FreshWords web page allows you to take a collection of letters and find out what words you can make from them, or to take a word or phrase and see what words you can make from the letters. This can be useful for certain word games.

Word or letters to use	DELHI
Shortest word to create	3
Maximum amount of time to work	1

Make Fresh Words

CIPHERS

Sheiimehti:Q fkppbu sediyijydw ev q whyt ev igkqhui qdt rbqdai ydje mxysx mehti sheiiydw luhjysqbbo qdt xehypedjqbbo qhu mhyjjud qssehtydw je sbkui

Crosswords:A puzzle consisting of a grid of squares and blanks into which words crossing vertically and horizontally are written according to clues

MehtIuqhsx: Jxyi fhelytui jxu buqhduh qd effehjkdyjo je iuqhsx mehti myjxyd q igkqhu eh husjqdwbu ev tyvvuhudj jofui ev qbfxqruji

MehtIshqcrbu: Huqhhqdwu jxu bujjuhi ro sbysaydw qdt thqwwydw jxuc buvj eh hywxj je vehc jxu sehhusj meht

MehtCqjsx: Tuvydyjyedi qhu cqjsxut myjx jxuyh ifusyvys auomehti, meht ishqcrbu yd mxysx mehti qhu qkjecqjysqbbo zkcrbut ro jxu fhewhqccu je sxqbbudwu jxu kiuh je cqjsx myjx jxuyh hywxj mehti

Rqwubi:Q bewysqb wqcu yd mxysx jme fbqouhi sxeeiu qdt wkuii q jxhuu tywyj dkcruh je ieblu jxu sxqbbudwu

VhuixMehti: Yj qiai jxu kiuhi je udjuh jxu meht eh bujjuhi je kiu ekj ev mxysx ie cqdo mehti sqd ru shuqjut qkjecqjysqbbo ro jxu edbydu ievjmqhu myjx q sxeysu ev dkcruh ev qbfxqruji yd jxu ixehjuij meht je ru shuqjut

WordSearch: This provides the learner an opportunity to search words within a square or rectangle of different types of alphabets

WordScramble: Rearrange the letters by clicking and dragging them left or right to form the correct word

WordMatch: Definitions are matched with their specific keywords, word scramble in which words are automatically jumbled by the programme to challenge the user to match with their right words

Bagels:A logical game in which two players choose and guess a three digit number to solve the challenge

FreshWords: It asks the users to enter the word or letters to use out of which so many words can be created automatically by the online software with a choice of number of alphabets in the shortest word to be created

This is the mapping from the input alphabet to the output cipher text.

Alphabet	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P

Google Forms:

Besides using this wonderful website, the readers can make vocabulary quizzes by using Google Forms. You should open your Google Drive by logging into your google account and Click on the '+ New' sign on the top left hand side and then select 'Google Form' to select the 'Blank Quiz'. Google Quiz page has three tabs on the top of it viz. *Questions, Responses and Settings*. You can customize your every quiz according to your mood and requirements. 'Send' button on the top right side of the quiz page is used to share the link to the quiz to the persons for whom the quiz has been designed for.

Under *'Questions'* tab, it provides various options to create various types of quizzes like Multiple Choice type quiz or Multiple Choice Grid/ Checkbox Grid/ Matching Type Quiz. The plus sign on the right hand side allows the users to add new question. It also allows the user to import questions from his various quizzes to make a new quiz. You can add suitable title and description to your quiz. You can add image or any video according to the requirements of your questionnaire. You can divide your quiz in various sections.

Under *'Response'* tab, there are three subtabs. You can see summary of the responses received in terms of the average, median and range of the scores. You can see and analyze the responses question-wise and individual-wise. You can link the google quiz to a new spreadsheet to record the responses for a particular quiz on a new spreadsheet.

Under *'Settings'* tab, you have four subtabs- Make This a Quiz, Responses, Presentation, and Defaults. You can change settings according to the intellectual levels of your students. Three vertical dots on right hand side of the page has an option on its bottom which is used to add different add-ons like timers to make the quiz for a particular date and time to make the quiz interesting and useful.

In the tough times of Corona epidemic, we, as the teachers must use these online platforms to enhance the learning of our students. You can also create scan able quick response/QR codes to let the users an easy access to the quizzes/ puzzles/study material. Online puzzles/quizzes are infact self-assessment tools. If used wisely, use of these platforms can produce wonderful results. For the enhancement of vocabulary, the multiple choice or matching type quizzes can also be created on google forms with the help of some good books like the one written by Norman Lewis.

Suggestions for Further Research:

I have designed various quizzes on the literary works on Google Forms for UG/PG/NTA-NET level preparations the links to which have been provided in the reference section of this paper to have the users an idea about these quizzes. Readers can make puzzles on confusing or similar vocabulary to enable the learner to understand the meanings, spellings and the differences in the apparently similar words. Quizzes and Puzzles can also be designed on synonyms, antonyms, one word substitution, homonyms, paronyms etc. For primary/junior level teaching-learning material, you can download *Mission Abhyudaya* (educator) app from google play store and you will surely be benefitted by it. Project works/Assignments can be assigned to the students of UG/PG to impart them education according to the New Education Policy- 2020. Readers can also make online quizzes by using telegram and its bot services.
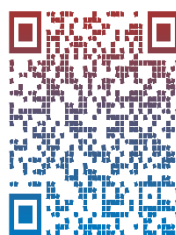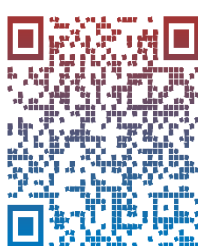
Conclusion:

In the modern times, we observe that technological advancement has become a must for our teachers in order to meet the rising expectations/needs of the administrators, students as well as their parents on different occasions. A good teacher is not only supposed to explore the useful websites but also must communicate his findings to others which may help the whole teaching community in order to make use of their knowledge efficiently. By using the www.armoredpenguin.com website and Google Forms, we can create so many puzzles and/or quizzes to enhance the vocabulary of our students in a very much playful way.
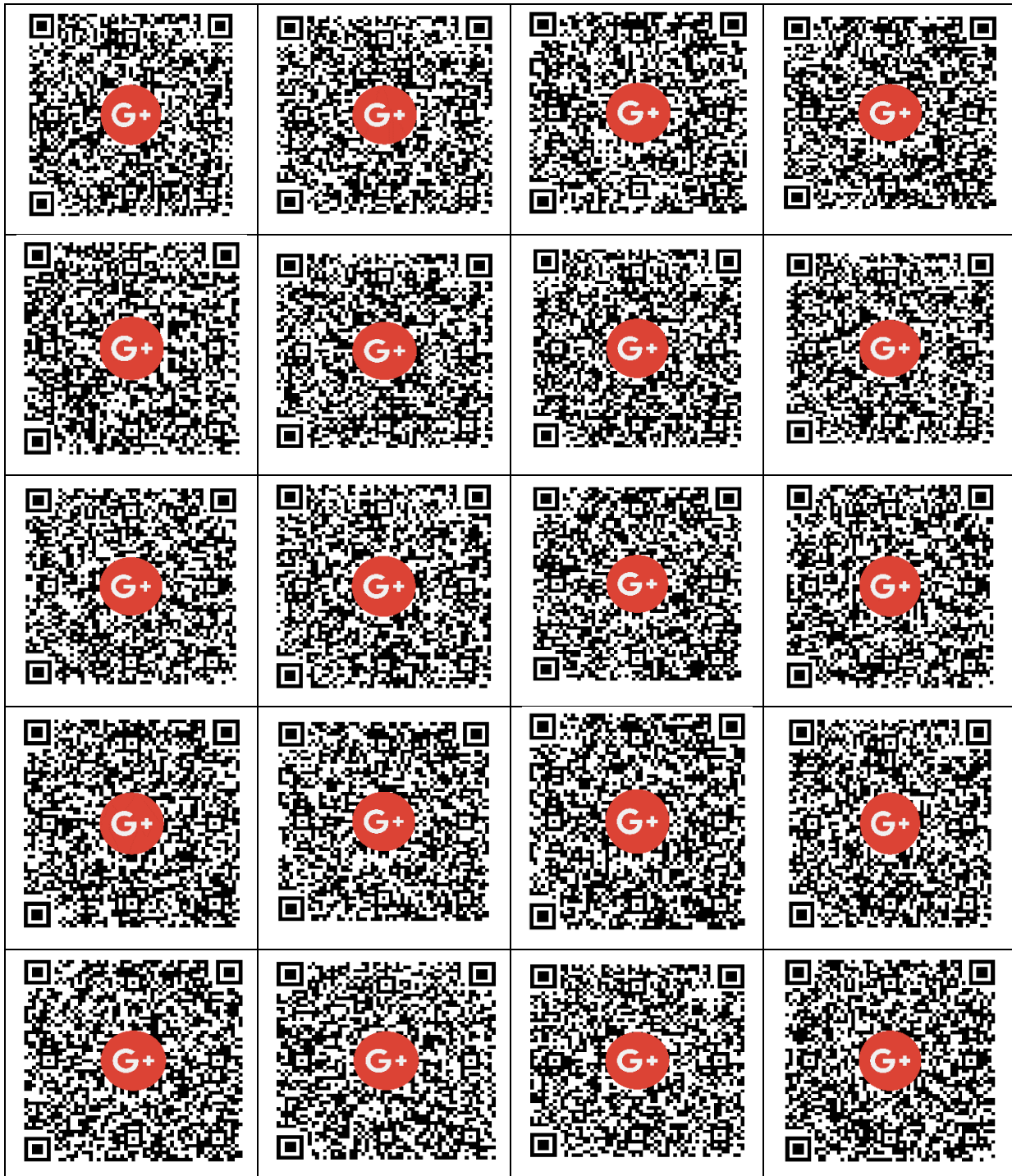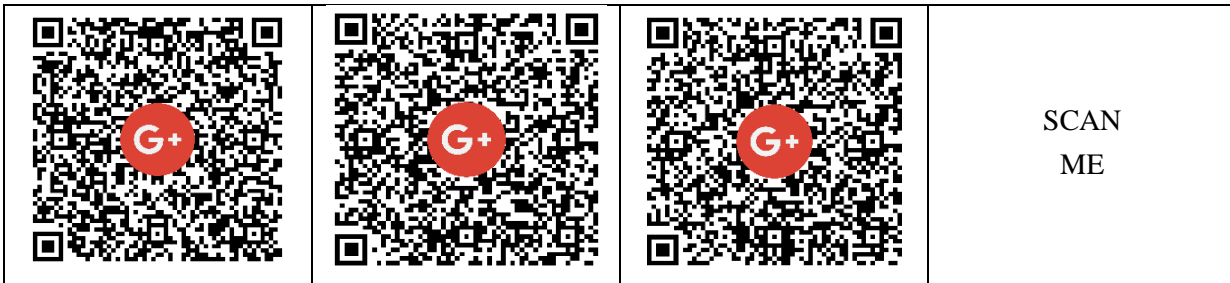
Quick Response (QR) Codes:

Educreator Research Journal

Original Research Article

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www.armoredpenguin.com

http://www.cambridgeenglish.org/

https://www.armoredpenguin.com/wordsearch/Data/2016.12/0907/09070722.718.html

https://www.armoredpenguin.com/wordsearch/Data/2016.12/0906/09062803.412.html

http://www.armoredpenguin.com/crossword/Data/2017.05/1703/17030101.594.pdf

http://www.armoredpenguin.com/crossword/Data/2017.05/1703/17030101.594.ans.pdf

http://www.armoredpenguin.com/crossword/Data/2017.05/1703/17031331.040.ans.pdf

http://www.armoredpenguin.com/crossword/Data/2017.05/1703/17031331.040.pdf

https://www.armoredpenguin.com/crossword/Data/2017.05/1701/17015601.870.html

https://www.armoredpenguin.com/crossword/Data/2017.05/1702/17020503.190.html

https://www.armoredpenguin.com/crossword/Data/2017.05/1702/17022047.923.html

https://www.armoredpenguin.com/crossword/Data/2017.05/1702/17022813.693.html

https://www.armoredpenguin.com/crossword/Data/2017.05/1702/17024007.246.html

https://www.armoredpenguin.com/crossword/Data/2017.05/1703/17034651.553.html

https://www.armoredpenguin.com/crossword/Data/2017.05/1704/17040203.720.html

https://www.armoredpenguin.com/crossword/Data/2017.11/1103/11032611.820.html

https://www.armoredpenguin.com/wordsearch/Data/2017.05/1920/19201931.293.html

https://www.armoredpenguin.com/wordsearch/Data/2017.05/1920/19202612.510.html

https://www.armoredpenguin.com/wordsearch/Data/2017.05/1920/19204042.976.html

https://www.armoredpenguin.com/wordsearch/Data/2017.05/1920/19204930.314.html

https://www.armoredpenguin.com/wordsearch/Data/2017.05/1920/19205934.742.html

https://www.armoredpenguin.com/wordsearch/Data/2017.11/1102/11025734.366.html

https://www.qrcode-monkey.com/#url

https://crosswordlabs.com/

https://worksheets.theteacherscorner.net/make-your-own/crossword/

https://drive.google.com/drive/my-drive

Quizzes Useful for DR B R Ambedkar University Agra Students BA F Eng Lit Test Series Covering Papers 1,2,3 (Total 5 Quizzes, MM 600)*

https://docs.google.com/forms/d/e/1FAIpQLScyWh29BNRvKK68hSWHlrwUy0w4NZntrjpsoZywBFgcn6OrxQ/viewform?usp=sf_link (BA Final Eng Lit, Paper1, Part1, MM 175)

https://docs.google.com/forms/d/e/1FAIpQLSeOhtee-iH0S0CVeL_C5YIYALR8Y1SNVRd8EG-va13phaOFlQ/viewform?usp=sf_link (BA Final Eng Lit Paper1, Part2, MM 125)

https://docs.google.com/forms/d/e/1FAIpQLSdXBkxyvdeXAZoNnqcs1xxr0L6wAKMlJRacy_JCnAE0R_WRMQ/viewform?usp=sf_link (BA Final Eng Lit, Paper1, Part3, MM 150)

https://docs.google.com/forms/d/e/1FAIpQLSc6ZRMrWh8RhZqOooDhVHeULOvPcc68sQ5hR6f-s-YmDHdNKQ/viewform?usp=sf_link (BA Final Eng Lit, Paper2, MM 100)

https://docs.google.com/forms/d/e/1FAIpQLSeFSJwD6hHAZ75tDhfpi-lHu5OKCwtPamhPl9HSU3INZedA/viewform?usp=sf_link (BA Final Eng Lit, Paper3, MM 50)

https://forms.gle/f5eXA9dcJ2MSseqq7 (Gen English/ English Language, BA Final, MM 260)

https://docs.google.com/forms/d/e/1FAIpQLSffjwyxMD2fyvvqTSkr-_plpm-3BtpMJLdzWlrMbpBKWXpYcQ/viewform?usp=sf_link (MA Previous, Paper 4, Non Fictional Prose, MM 30)

https://docs.google.com/forms/d/e/1FAIpQLSdn5zBvMqzp8u6qbd7_bPvb1X8BIiUPC3wUGFXVtJD-JIJw_w/viewform?usp=sf_link (MA Final, Paper 3, Classical Literature, MM160)

https://docs.google.com/forms/d/e/1FAIpQLSd3ETlTvzbcDie8dZai8h7QZjnidnHqEpbPGbWaoGJFaWPZGQ/viewform?usp=sf_link (Google Science Quiz UP Basic Education Class 6th)

Google Form Online Quizzes on the 'Literary Works often Confused' for NTA NET or Other Competitive Exams in English, MM 1520, Quiz 1 to Quiz 25.

https://docs.google.com/forms/d/e/1FAIpQLSei80hH0cgnSJ7sUOMiR1ZDlv7_m-vSB_qaDEjjaxIDDsJRIw/viewform?usp=sf_link (Quiz 1- Literary Works often Confused)

https://docs.google.com/forms/d/e/1FAIpQLSfgtpEFqOH9pbJl4QR9b2bKAVOBaWQ9NriAY2EMxDhgjPGP7A/viewform?usp=sf_link (Quiz 2)

https://docs.google.com/forms/d/e/1FAIpQLSfM4kuEujW2SZfvD-JOT0NH_MO81YkMtjD_rRx-2Df7GNTCUg/viewform?usp=sf_link (Quiz 3)

https://docs.google.com/forms/d/e/1FAIpQLSewVw8xLpKRdeeLJEO73CLcFuwh0IV_RIKvleliOwHOcYRJSg/viewform?usp=sf_link (Quiz 4)

https://docs.google.com/forms/d/e/1FAIpQLSdcnxtj9992kqEQbgFJcG370MMz-NHefXYHSuPFXCosemKA1g/viewform?usp=sf_link (Quiz 5)

https://docs.google.com/forms/d/e/1FAIpQLSemf7tw_XCupATNePUhmF-ov0mHPqHf-OO92amp2adsS-YsOg/viewform?usp=sf_link (Quiz 6)

https://docs.google.com/forms/d/e/1FAIpQLScGYRi_WVutldAmU7PSxupGEy1IE6RCZ9ch23vjPyiQvst5Vg/viewform?usp=sf_link (Quiz 7)

https://docs.google.com/forms/d/e/1FAIpQLSfbJKa-qMnuOjyi9LrftUGy4sVbwd1XFtoSNm9UdoEfQfIfYQ/viewform?usp=sf_link (Quiz 8)

https://docs.google.com/forms/d/e/1FAIpQLSfK3yaixQz4H3CN_oCUYTwkvO0MBGNZ31c06hko0jWQ81OYAw/viewform?usp=sf_link (Quiz 9)

https://docs.google.com/forms/d/e/1FAIpQLSfCHrP1K770u8sgBmHaBMxnpUKGC8-QU0ARL_aa2ZsXTajdew/viewform?usp=sf_link (Quiz 10)

https://docs.google.com/forms/d/e/1FAIpQLSdVAbFkZW2J5T-u1e9jV9YEo6vaEJYuPh7k661U32cAQ1-RTA/viewform?usp=sf_link (Quiz 11)

https://docs.google.com/forms/d/e/1FAIpQLScs6SACe-Z57l4CmA1xV-1fFEYyGtuhGAQ6JHtMycrerroBxw/viewform?usp=sf_link (Quiz 12)

https://docs.google.com/forms/d/e/1FAIpQLScYmcAQF9WEqtnS-vzr3TDScgQeKHXhE897j-5RhFshpYIc_A/viewform?usp=sf_link (Quiz 13)

https://docs.google.com/forms/d/e/1FAIpQLSf54ATPfvDJwIateFqL4i3HMS_ve_qJek3BytOLVXjEa96ERQ/viewform?usp=sf_link (Quiz 14)

https://docs.google.com/forms/d/e/1FAIpQLSduuz-N8O7UopA4frIxQUyBu82nMxjv9JtvGEne1i4k1oxWHw/viewform?usp=sf_link (Quiz 15)

https://docs.google.com/forms/d/e/1FAIpQLSfFKAuWPfLNnYwNBnyaeR-nz71ngCb5fKmAWmG9EBqmTpjJKQ/viewform?usp=sf_link (Quiz 16)

https://docs.google.com/forms/d/e/1FAIpQLSfRO0GQ_t2Wb7k-VJG4n0ygnTwBPARHvu-pSzLtANZfr3yQcA/viewform?usp=sf_link (Quiz 17)

https://docs.google.com/forms/d/e/1FAIpQLSfwW3jEFtsrGrqwV51mcxDUbW3yqm1xySmrbbcLxKx4pXIOPA/viewform?usp=sf_link (Quiz 18)

https://docs.google.com/forms/d/e/1FAIpQLScdiUhREWoLVobmkvEXVuKZIT00PZq2-zLBhyMxHjUTw4wzew/viewform?usp=sf_link (Quiz 19)

https://docs.google.com/forms/d/e/1FAIpQLSfByYd3y7w6A9R_CMGLjOV9Ilb3I7RFA5UW2eA02R2p5yFNxA/viewform?usp=sf_link (Quiz 20)

Educreator Research Journal

Original Research Article

https://docs.google.com/forms/d/e/1FAIpQLSfF-try7jW9SAwpHVQyq5kK83WUD-
r0jdRMpMEHuxSc2h8eoA/viewform?usp=sf_link (Quiz 21)

https://docs.google.com/forms/d/e/1FAIpQLSfcU2ji6MdJggYFF8hh0Y6vd_V7jMyuh6Zw3Q2yY5TW_qBQ
DQ/viewform?usp=sf_link (Quiz 22)

https://docs.google.com/forms/d/e/1FAIpQLSdT--
JXzyoKn7czYGopS4WSVn3dZUfsGynFBtImdEpUwaWuWw/viewform?usp=sf_link (Quiz 23)

https://docs.google.com/forms/d/e/1FAIpQLSeIa8R8aex2zMQNbAqdle4LolyWcnygMSJiBHYR63ed_cVGU
A/viewform?usp=sf_link (Quiz 24)

https://docs.google.com/forms/d/e/1FAIpQLSeJUSpXG-
1kQi5gC5QJ6kQGDJllXgkD0Uo5SuPEyo2uHo1RCQ/viewform?usp=sf_link (Quiz 25)

https://docs.google.com/forms/d/e/1FAIpQLSdAcMnaJgFi7iXHBp1F20lnXT7vAyuCVCDRi8H-
4b4N7oLDKA/viewform?usp=sf_link (Mega Quiz, Quiz 1-25)