**REFERENCES**

BONK, C.J., & CUNNINGHAM, D.J. 1998. *Searching for Learner-Centered, Constructivist, and Sociocultural Components of Collaborative Educational Learning Tools*. In C.J. BONK, & K.S. KING (Eds.), Electronic collaborators: Learner-centered technologies for literacy, apprenticeship, and discourse (pp. 25- 50). Mahwah, NJ: Erlbaum.

DE CHAZAL, E. 2014*. English for academic purposes.* Oxford: Oxford University Press.

ENGESTROM, R. 2009. Who is acting in an activity system? A. SANNINO, H. DANIELS & K. GUTIERREZ (eds.). *Learning and Expanding with Activity Theory*. Cambridge University Press.

FORD, M., & LEINONEN, T. 2009. *MobilED: a mobile tools and services platform for formal and informal learning*. AU Press.

GOODRICH, R. 2011. The Practicality of Social Constructivism in e-Learning. Retrieved from https://learningonlineinfo.org/the-practicality-of-social -constructivism-in-e learning/.

KUKULSKA-HULME, A. 2005. *Mobile Usability and User Experience.* In KUKULSKA-HULME, A. & J. TAXLER, (Eds.) Mobile Learning: A Handbook for Educators and Trainers. 45- 56. London: Routledge.

LEDIGA, M. S. 2017. *The use of handheld mobile devices: an exploratory study of English language student educators*. University of Limpopo, M.A. Mini-dissertation.

LINN, R.L & GRONLUND, N.E. 2000. *Measurement and Assessment in Teaching*. Merrill.

MISHAN, F. 2017. ‘Authenticity 2.0’: Reconceptualising ‘Authenticity’ in the digital era (In MALEY, A. & TOMLINSON, B. Eds. *Authenticity in materials development for language learning.* Newcastle upon Tyne: Cambridge Scholars.

MOCKUS, L., DAWSON, H., EDEL-MALIZIA, S., SHAFFER,D., SUNG AN, J., & SWAGGERTY, A. 2011.*The Impact of Mobile Access on Motivation: Distance Education Student Perceptions.* Retrieved from http://learningdesignpsu/research/MLRTWhitePaper.pdf.

NAISMITH, L., LONSDALE, P., VAVOULA, G. & SHARPLES, M. 2004. *Literature Review in Mobile Technologies and Learning.* [Online] Available from http://www.futurelab.

National Research Council. 1999. *How People Learn: Brain, Mind, Experience, and School*. Washington, DC: National Academy Press.

NORDIN, A, EMBI, M.A., YASIN, R.M., RAHMAN, S. & YUNUS, M.M. 2010. The Mobile Learning Readiness of the Post-Graduate Students, *2010 EABR & ETLC Conference Proceedings.* Dublin, Ireland.

Pew Research Center. 2015. *Survey Conducted March 17-April 12 2015.* Technology Device Ownership.

SALOMON, G. & PERKINS, D. N. 1998. Individual and Social Aspects of Learning. *Review of Research in Learning,* 23(1), 1-24.

SHARPLES, M., CORLETT, D., BULLS, S., CHAN, T., & RUDMAN, P. 2005. The student learning organiser. In A KUKULSKA-HULME & J.TRAXLER, *Mobile Learning: A Handbook for educators and Trainers,* London: Routledge, 139- 149.

TRAXLER, J., 2007. Defining, discussing, and evaluating mobile learning: the moving finger writes and having writ…  *International review of research in open and distance learning,* (Vol. 8, pp.1–12).

University of Limpopo Calendar, 2016. Faculty of Humanities,School of Education.

VAVOULA, G., SHARPLES, M. & TAYLOR, J. 2007. *A Theory of Learning for the Mobile Age* In R. ANDREWS & C. HAYTHORNWAITE (eds) The Sage Handbook of Elearning Research. London: Sage.

VYGOTSKY, L.S. 1978. *Mind in Society: The Development of Higher Psychological Processes.* Cambridge: Harvard University Press.

Zurita, G., Nussbaum, M.A. 2007. Conceptual Framework Based on Activity Theory for Mobile CSCL, *British Journal of Educational Technology*, Vol. 38, No. 2. 211-235.

**APPENDICES**

**Appendix A: Questionnaire for Student Educators**

Kindly encircle appropriate responses and/or provide relevant information which best describes each aspect in the questionnaire.

1. Biographical Data

* 1. Gender \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Grade 12 English passed (e.g. EFAL, EHL) \_\_\_\_\_\_\_\_\_\_\_
	3. Grade 12 English symbol/level: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	4. What is your other major subject?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Types of handheld devices

 2.1 Type of handheld device (encircle the one(s) you have)

* + 1. Smartphone
		2. Tablet PC
		3. Iphone
		4. Ipad
		5. Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 2.2 Why did you choose this kind of device(s)?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. General Use

* 1. Do you use your device to study English?

 [Yes] [No]

 Have you downloaded any English-learning App on your device? If yes, give an example.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. How often do you use the device when learning? Encircle the most appropriate answer.

 [Sometimes] [Often] [Always]

* 1. Do you sometimes use it to look up information while in class?

 [Yes] [No]

* 1. Do you use it to communicate with other students about class-related matters outside of class?

 [Yes] [No]

 If yes, how do you communicate?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. How do you keep track of your class schedule?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 3.7 Do you use the device to look for information anywhere?

 [Yes] [No]

 3.8 Do you use the device to look for information anytime?

 [Yes] [No]

 3.9 How would you rate the usefulness of the device in your learning? Encircle your most appropriate answer.

 [Very useless] [Useless] [Neither useful] [useless] [Useful]

 [Very useful]

4. Classroom Use

 4.1 Do you sometimes record your English class lecture?

 [Yes] [No]

 4.2 Do you sometimes record in-class activities?

 [Yes] [No]

 Give examples of lessons recorded.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 4.3 Do you use the device to take notes in class? [Yes] [No]

 How do you use it?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 4.4 Do you use the device to search for information while in class?

 [Yes] [No]

 How do you use it?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Other Uses

 5.1 Do you use the device for class presentations?

 [Yes] [No]

 5.2 Do you use the device for assignments?

 [Yes] [No]

 5.3 Do you use the device for projects?

 [Yes] [No]

 Give examples of projects

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 5.4 Do you also use it for collaborative projects? Yes or No [Yes] [No]

 How do you use it?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Library Resources

 6.1 Does your device have access to library resources?

 [Yes] [No]

 Give examples of the resources.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Motivation

 7.1 Do you feel motivated to learn when you use the device?

 [Yes] [No]

 Give an explanation

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Mention any additional information on the use of handheld mobile devices in EFAL.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thank you.

**Appendix B:** **Test on the use of handheld mobile devices**

­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Duration :** 45 minutes

**Marks :** 35

**Instruction(s):** Answer all questions.

1. Define the following concepts:

1. Mobile (2)
2. Device (2) [4]

2. Convert the following underlined words in the paragraph below which are in American spelling, to British spelling:

The a) program started very early with the chairperson telling everyone to be b) organized. He told them hard c) labor was the d) centre to great success. They also e) practiced how to f) advertize their products so that they could be recognised. [6]

3. Write down the pronunciation of each of the following words in phonetic transcript:

a) Enhance (2)

b) Forage (2)

c) Scourer (2) [6]

4. Give the number of syllables in each of the following words:

1. Successful (2)
2. Activities (2)
3. Labor (1) [5]

5. Give parts of speech (word classes) for each of the following underlined words:

a) She enjoys singing.

b) More students were successful in their searches.

1. The dearth of leisure time activities may lead to juvenile crime.
2. Digital natives surely benefit from using handheld devices.
3. What type of noun is ‘Polokwane’ in 7 below?
4. What type of verb is ‘enjoys’ in a)?
5. What is the plural form of ‘crime’ in c)?
6. What part of speech is ‘the’ in c)? [8]

6. Google types of literary genres and mention 4 of them. [4]

7. Calculate the average temperature of Polokwane for this week. [2]

 **Total marks =** **35**