

UNIVERSITY OF SWAZILAND  
DEPARTMENT OF ADULT EDUCATION  
PART-TIME DIPLOMA IN ADULT EDUCATION YEAR 1  
SEMESTER ONE MAIN EXAMINATION, NOVEMBER 2013

**TITLE OF PAPER :** INTRODUCTION TO RESEARCH AND  
EVALUATION

**COURSE CODE :** DAE 115

**TIME ALLOWED :** TWO (2) HOURS

**INSTRUCTIONS :**

1. ANSWER ALL QUESTIONS FROM SECTION A.
2. ANSWER ANY THREE QUESTIONS FROM SECTION B.
3. ALL ANSWERS IN SECTION B CARRY EQUAL MARKS.

**THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GRANTED.**

**SECTION A: COMPULSORY**

INSTRUCTIONS: Answer all questions.

**QUESTION 1**

Which of the following are variables?

- a) Female, Jewish, 21 years old
- b) Plumber, professor, dentist
- c) Occupation, age, type of risk
- d) Dishonest, violent, conservative

(2 marks)

**QUESTION 2**

An independent variable is a

- (a) theoretical concept
- (b) variable that influences other variables
- (c) variable that is influenced by other variables
- (d) set of attributes

(2 marks)

**QUESTION 3**

The basic purpose of evaluation is to:

- (a) test judgmental hypotheses
- (b) improve decision making
- (c) test generalisations of formative data
- (d) validate the findings of basic research in field study

(2 marks)

**QUESTION 4**

The following are characteristics of the scientific method; except for:

- (a) definition of the problems in specific terms
- (b) development of hypotheses
- (c) analysis of data
- (d) verification of hypotheses using expert opinion

(2 marks)

**QUESTION 5**

The most powerful research method for establishing causal relationship is the

- (a) causal comparative method
- (b) experimental method
- (c) correlational method
- (d) descriptive method

(2 marks)

**QUESTION 6**

A critical review of literature of previous studies

- (a) should be considered for every problem encountered by the programme manager
- (b) is important to researchers in education but not to practitioners
- (c) helps the researcher to get to the frontiers of knowledge in his research topic
- (d) is not necessary if the researcher carries out a pilot study.

(2 marks)

**QUESTION 7**

The main purpose of pilot study is to:

- (a) obtain funds for research
- (b) determine whether there is any interest in the topic before the researcher launches a major project
- (c) test and improve the research plan
- (d) provide opportunities for graduate students to get experience.

(2 marks)

**QUESTION 8**

Empowerment is a characteristic of

- (a) experimental research
- (b) survey research
- (c) participatory research
- (d) historical research

(2 marks)

**QUESTION 9**

When the experimenter has a reasonably high expectation concerning the relationship that exist between variables it is most appropriate to state the hypothesis in \_\_\_\_\_ form.

- (a) null
- (b) directional
- (c) non-directional
- (d) interrogative

(2 marks)

**QUESTION 10**

A test is reliable when it

- (a) is easy to pass
- (b) can be passed only by gifted pupils
- (c) produces similar results all the time
- (d) measures the attributes it is supposed to measure

(2 marks)

**QUESTION 11**

List the four scales of measure in the correct order.

(5 marks)

**SECTION B**

Answer ANY THREE Questions

**QUESTION 12**

Write notes on the following evaluation models

- a) Discrepancy evaluation
- b) Formative evaluation
- c) Summative evaluation

(25 marks)

**QUESTION 13**

Mention the reasons for sampling and the steps involved in sampling.

(25 marks)

**QUESTION 14**

Explain the following characteristics of experimental research

- a) Comparison
- b) Manipulation
- c) Generalisation
- d) Control

(25 marks)

**QUESTION 15**

- a) The target population for your study is 3 000 and the sample is 70. Using the table of random numbers attached, choose the first ten (10) members of the sample. Remember to indicate the row and column (Co-ordinate) from where you start reading your numbers. (10 marks)
- b) Given the following purposes for conducting evaluation, which model or part of a model would you use and why would you use these particular models:
  - a) To assess all the activities of the project/programme
  - b) To see if the performance of the project/programme meets the stated targets.
  - c) To see if the implementation is according to plan. (15 marks)

Table 10.1

## Sample Page from a Table of Random Numbers

	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99
00	59391	58030	52098	82718	87024	82848	04190	96574	90464	29065
01	99567	76364	77204	04615	27062	96621	43918	01896	83991	51141
02	10363	97518	51400	25670	98342	61891	27101	37855	06235	33316
03	86859	19558	64432	16706	99612	59798	32803	67708	15297	28612
04	11258	24591	36863	55368	31721	94335	34936	02566	80972	08188
05	95068	88628	35911	14530	33020	80428	39936	31855	34334	64865
06	54463	47237	73800	91017	36239	71824	83671	39892	60518	37092
07	16874	62677	57412	13215	31389	62233	80827	73917	82802	84420
08	92494	63157	76593	91316	03505	72389	96363	52887	01087	66091
09	15669	56689	35682	40844	53256	81872	35213	09840	34471	74441
10	99116	75486	84989	23476	52967	67104	39495	39100	17217	74073
11	15696	10703	65178	90637	63110	17622	53988	71087	84148	11670
12	97720	15369	51269	69620	03388	13699	33423	67453	43269	56720
13	11666	13641	71681	98000	35979	39719	81899	07449	47985	46967
14	71628	73130	78783	75691	41632	09847	61547	18707	85489	69944
15	40501	51089	99943	91843	41995	88931	73631	69361	05375	15417
16	22518	55576	98215	82068	10798	86211	36584	67466	69373	40054
17	75112	30485	62173	02132	14878	92879	22281	16783	86352	00077
18	80327	02671	98191	84342	90813	49268	95441	15496	20168	09271
19	60251	45548	02146	05597	48228	81366	34598	72856	66762	17002
20	57430	82270	10421	05540	43648	75888	66049	21511	47676	33444
21	73528	39559	34434	88596	54086	71693	43132	14414	79949	85193
22	25991	65959	70769	64721	86413	33475	42740	06175	82758	66248
23	78386	16638	09134	59880	63806	48472	39318	35434	24057	74739
24	12477	09965	96657	57994	59439	76330	24596	77515	09577	91871
25	83266	32883	42451	15579	38155	29793	40914	65990	16255	17777
26	76970	80876	10237	39515	79152	74798	39357	09054	73579	92359
27	37074	65198	44785	68624	98336	84481	97610	78735	46703	98265
28	83712	06514	30101	78295	54656	85417	43189	60048	72781	72606
29	20287	56862	69727	94443	64936	08366	27227	05158	50326	59566
30	74261	32592	86538	27041	65172	85532	07571	80609	39285	65340
31	64081	49863	08478	96001	18888	14810	70545	89755	59064	07210
32	05617	75818	47750	67814	29575	10526	66192	44464	27058	40467
33	26793	74951	95466	74307	13330	42664	85515	20632	05497	33625
34	65988	72850	48737	54719	52056	01596	03845	35067	03134	70322
35	27366	42271	44300	73399	21105	03280	73457	43093	05192	48657
36	56760	10909	98147	34736	33663	95256	12731	66598	50771	83665
37	72880	43336	93643	58904	59543	23543	11231	83268	65938	81581
38	77888	38100	03062	58103	47961	83841	25878	23746	55903	44115
39	28440	07819	21580	51459	47971	29882	13990	29226	23606	15873
40	63525	94441	77033	12147	51054	49955	58312	76923	96071	05813
41	47606	93410	16359	89033	89696	47231	64498	31776	05383	39902
42	52669	45030	96279	14709	52372	37832	02735	50803	72744	89208
43	16738	60159	07425	62369	07515	82721	37875	71153	21315	00132
44	59348	11695	45751	15865	74739	05572	32688	20271	65128	14551
45	12900	71775	29845	60774	94924	21810	38636	33717	67598	82521
46	75086	23537	49939	33595	13484	97588	28617	17979	70749	35234
47	99495	51434	29181	09993	38190	42553	68922	52125	91077	40197
48	26075	31671	45386	36583	93459	48599	52022	41330	60651	91321
49	13636	93596	23377	51133	95126	61496	42474	45141	46660	42338

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