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THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF EDUCATION
BACHELOR OF EDUCATION (HONOURS) IN PRIMARY EDUCATION
LEVEL - 06
FINAL EXAMINATION – 2023/2024
EPU6533 – ASSESSMENT IN PRIMARY EDUCATION

DURATION – THREE (03) HOURS

Date: 28.06.2025 Time: 9.30 a.m. – 12.30 p.m.

Answer All Questions in Part I and any three (03) questions from Part II.

Calculators can be used. Probability distribution table and the formulas will be given.

PART - I

01. Define the term "assessment' in the context of education.

02. "For assessing children in primary school, is normal referenced assessment inherently superior to criterion-reference assessment". Do you agree above statement? Justify your answer.

03. Explain the difference between formal and informal assessment. Give one (01) examples of how both can be effectively used in a primary classroom.

04. What are the **three (03)** domains of Blooms Taxonomy? List the six levels of the cognitive domain in their correct order.

05. List out **three (03)** the advantages and disadvantages of essay-type questions used in examinations.

06. Briefly explain the terms "validity" and "reliability" in the context of test instruments.

07. Describe objective type questions with appropriate examples.

08. What is an achievement test? Explain its purpose in educational settings and give one example.

(5 x 8 = 40 marks)

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PART – II

09. a. Define Measurement, Assessment and Evaluation in the context of education highlighting. (08 marks)

b. Explain any **four (04)** types of assessment or evaluation commonly used in primary education with suitable examples. (08 marks)

c. Discuss the functions and importance of assessment in improving the teaching-learning process in primary classrooms. (04 marks)

10. **Answer only one question: either A or B.**

A. "Teachers use various forms of assessment and evaluation to monitor and improve students' learning"

a. Explain **five (05)** purposes of assessment in primary education, providing suitable classroom examples for each purpose. (08 marks)

b. Differentiate between formative and summative assessment in terms of purpose timing, feedback and impact on student learning. (06 marks)

c. Define authentic assessment and describe how it is different from traditional assessment methods, especially in primary classrooms. (06 marks)

B. "Educational assessment plays a crucial role in enhancing student learning and guiding instructional decisions".

a. Explain the key differences between teacher-made tests and standardized tests, and discuss their respective advantages and limitations in classroom settings.

(10 marks)

b. Describe the process of preparing a test blueprint and explain how it supports the validity and reliability of classroom tests. (10 marks)

11. Presented below are the marks of Environment-Related Activities obtained by 42 Grade 5 students. As part of their academic assessment.

25	35	40	45	47	50	52
53	54	54	54	54	54	54
55	56	57	57	58	58	59
60	61	62	63	64	65	66
67	68	69	70	71	72	74
75	77	80	83	85	88	89

a. Prepare a frequency distribution for above marks set taking 69-78 as a class interval.

(03 marks)

b. Construct a frequency polygon to represent above distribution. (03 marks)

c. Find the mode of this distribution. (01 mark)

d. Calculate the median of this distribution. (03 marks)

e. Considering the assumed mean of this distribution to be in the class interval 49-58 calculate arithmetic mean. (05 marks)

f. Calculate the standard deviation of the distribution (05 marks)

12. A. Following table gives the marks obtained by three students. Amina, Suranga and Kavitha for three subjects together with means and standard deviation of each subject.

Subject	Amina	Suranga	Kavitha	Mean	Standard deviation
Maths	91	52	67	70	11
ERA	66	90	50	65	9
Music	51	65	92	50	12

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i. Find the total marks of Amina, Suranga and Kavitha (01 marks)

ii. According to raw marks who is the best student. (01 marks)

iii. Convert each students marks for all three subjects in to Z score? (06 marks)

iv. After converting marks of each student into standard scores. (Z-score) decide who is the best. (02 marks)

B. Two examiners Mr. Abeyratna and Ms. Nawaratna marked the scripts of an examination, the mean and standard deviation given by Mr.. Abeyratna is 60 and 12, by Mr. Nawaratna is 63 and 7.

i. When Mr. Abeyratna given 70 marks for a script how much you can expect from Ms. Nawaratna? (03 marks)

ii. If Ms. Nawaratna had given 80 marks or script, how much you can expect from Mr. Abeyratna? (03 marks)

iii. Convert 65 marks given by Mr. Abeyratna into Hull's scale (02 marks)

iv. Covert 35 marks given by Mr. Nawaratna into Mc Call's scale. (02 marks)

13. A. Following marks are obtained by 10 students in Grade 3 for the ERA and Maths.

	Nimala	Chamari	Arjuna	Kavitha	Fazeel	Amina	Jude	Mary	Suranga	Anusha
ERA	75	88	85	80	75	95	65	60	50	50
Maths	80	45	55	55	55	65	70	75	80	45

i. Find the Spearman's rank correlation between ERA and Maths. (08 marks)

ii. Interpret your answer. (02 marks)

B. Marks of 4500 students are distributed according to the normal probability curve. Mean and standard deviation of this set of marks are 51 and 8 respectively.

i. How many students have scored more than 75 marks. (05 marks)

i. If the 14% of the students fail the examination. What is the pass marks. (05 marks)

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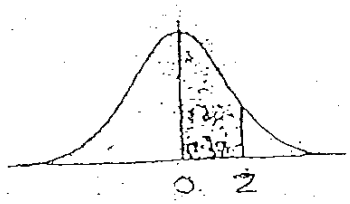
இலங்கை திறந்த பல்கலைக்கழகம்
The open university of Sri Lanka

සම්මත ප්‍රමිත වක්‍රය යට සෙන්ත්‍රාල - (0 සිට Z දක්වා)
நியம வளையி இன் பரப்பளவுகள் - 0 முதல் Z வரை
Areas Under the Standard Normal Curve – from 0 to z



Z	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	0.0000	0.0040	0.0080	0.0120	0.0160	0.0199	0.0239	0.0279	0.0319	0.0359
0.1	0.0398	0.0438	0.0478	0.0517	0.0557	0.0596	0.0636	0.0675	0.0714	0.0753
0.2	0.0793	0.0832	0.0871	0.0910	0.0948	0.0987	0.1026	0.1064	0.1103	0.1141
0.3	0.1179	0.1217	0.1255	0.1293	0.1331	0.1368	0.1406	0.1443	0.1480	0.1517
0.4	0.1554	0.1591	0.1628	0.1664	0.1700	0.1736	0.1772	0.1808	0.1844	0.1879
0.5	0.1915	0.1950	0.1985	0.2019	0.2054	0.2088	0.2123	0.2157	0.2190	0.2224
0.6	0.2257	0.2291	0.2324	0.2357	0.2389	0.2422	0.2454	0.2486	0.2517	0.2549
0.7	0.2580	0.2611	0.2642	0.2673	0.2704	0.2734	0.2764	0.2794	0.2823	0.2852
0.8	0.2881	0.2910	0.2939	0.2967	0.2995	0.3023	0.3051	0.3078	0.3106	0.3133
0.9	0.3159	0.3186	0.3212	0.3238	0.3264	0.3289	0.3315	0.3340	0.3365	0.3389
1.0	0.3413	0.3438	0.3461	0.3485	0.3508	0.3531	0.3554	0.3577	0.3599	0.3621
1.1	0.3643	0.3665	0.3686	0.3708	0.3729	0.3749	0.3770	0.3790	0.3810	0.3830
1.2	0.3849	0.3869	0.3888	0.3907	0.3925	0.3944	0.3962	0.3980	0.3997	0.4015
1.3	0.4032	0.4049	0.4066	0.4082	0.4099	0.4115	0.4131	0.4147	0.4162	0.4177
1.4	0.4192	0.4207	0.4222	0.4236	0.4251	0.4265	0.4279	0.4292	0.4306	0.4319
1.5	0.4332	0.4345	0.4357	0.4370	0.4382	0.4394	0.4406	0.4418	0.4429	0.4441
1.6	0.4452	0.4463	0.4474	0.4484	0.4495	0.4505	0.4515	0.4525	0.4535	0.4545
1.7	0.4554	0.4564	0.4573	0.4582	0.4591	0.4599	0.4608	0.4616	0.4625	0.4633
1.8	0.4641	0.4649	0.4656	0.4664	0.4671	0.4678	0.4686	0.4693	0.4699	0.4706
1.9	0.4713	0.4719	0.4726	0.4732	0.4738	0.4744	0.4750	0.4756	0.4761	0.4767
2.0	0.4772	0.4778	0.4783	0.4788	0.4793	0.4798	0.4803	0.4808	0.4812	0.4817
2.1	0.4821	0.4826	0.4830	0.4834	0.4838	0.4842	0.4846	0.4850	0.4854	0.4857
2.2	0.4861	0.4864	0.4868	0.4871	0.4875	0.4878	0.4881	0.4884	0.4887	0.4890
2.3	0.4893	0.4896	0.4898	0.4901	0.4904	0.4906	0.4909	0.4911	0.4913	0.4916
2.4	0.4918	0.4920	0.4922	0.4925	0.4927	0.4929	0.4931	0.4932	0.4934	0.4936
2.5	0.4938	0.4940	0.4941	0.4943	0.4945	0.4946	0.4948	0.4949	0.4951	0.4952
2.6	0.4953	0.4955	0.4956	0.4957	0.4959	0.4960	0.4961	0.4962	0.4963	0.4964
2.7	0.4965	0.4966	0.4967	0.4968	0.4969	0.4970	0.4971	0.4972	0.4973	0.4974
2.8	0.4974	0.4975	0.4976	0.4977	0.4977	0.4978	0.4979	0.4979	0.4980	0.4981
2.9	0.4981	0.4982	0.4982	0.4983	0.4984	0.4984	0.4985	0.4985	0.4986	0.4986
3.0	0.4987	0.4987	0.4987	0.4988	0.4988	0.4989	0.4989	0.4989	0.4990	0.4990
3.1	0.4990	0.4991	0.4991	0.4991	0.4992	0.4992	0.4992	0.4992	0.4993	0.4993
3.2	0.4993	0.4993	0.4994	0.4994	0.4994	0.4994	0.4994	0.4995	0.4995	0.4995
3.3	0.4995	0.4995	0.4995	0.4996	0.4996	0.4996	0.4996	0.4996	0.4996	0.4997
3.4	0.4997	0.4997	0.4997	0.4997	0.4997	0.4997	0.4997	0.4997	0.4997	0.4998
3.5	0.4998	0.4998	0.4998	0.4998	0.4998	0.4998	0.4998	0.4998	0.4998	0.4998
3.6	0.4998	0.4998	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999
3.7	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999
3.8	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999	0.4999
3.9	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000

Some important formulas / වැදගත් සූත්‍ර කිහිපයක්
சில முக்கிய சூத்திரங்கள்

$$\rho = \left[1 - \frac{6\sum D^2}{N(N^2-1)}\right]$$

$$A.M_{(\bar{x})} = \left(A + \frac{i\sum fd}{N}\right)$$

$$SD_{(\sigma)} = i\sqrt{\frac{\sum fd^2}{N} - \left(\frac{\sum fd}{N}\right)^2}$$

$$\gamma_{xy} = \frac{\sum XY}{\sqrt{(\sum X^2)(\sum Y^2)}}$$

$$\gamma_{xy} = \frac{\sum(x - \bar{x})(y - \bar{y})}{\sqrt{\sum(x - \bar{x})^2 \times \sum(y - \bar{y})^2}}$$

$$\gamma_{xy} = \frac{n\sum xy - (\sum x)(\sum y)}{\sqrt{[n\sum x^2 - (\sum x)^2][n\sum y^2 - (\sum y)^2]}}$$