

NATIONAL TEACHING COUNCIL
GHANA TEACHER LICENSURE EXAMINATION (GTLE)
MULTIPLE SUBJECTS CONTENT FOR PRIMARY EDUCATION PAST QUESTIONS
2023

PART I: ENGLISH LANGUAGE

This part of the paper consists of 20 multiple-choice questions with four options A to D. Read and evaluate all four options and circle the letter of the correct or best answer.

1. On the Rank Scale, the is registered as the lowest grammatical unit.
 - A. clause
 - B. morpheme
 - C. sentence
 - D. wordTesting

2. The skills that the new English Language curriculum entreats teachers to help learners acquire are referred to as ...
 - A. Contemporary skills
 - B. Core competencies
 - C. General skills
 - D. Pre-requisite skills

3. The witch we saw had a car which could fly. The underlined words in the statement can be **described** as ...
 - A. Homographs
 - B. homonyms
 - C. homophemes
 - D. homophones

4. The following words have voiced consonants **except** ...
 - A. lay
 - B. bay
 - C. ray
 - D. say

5. Some teachers at Crystal Preparatory School judged Bismark's academic performance based on his handwriting. Today, he has switched schools. His writing is legible and his performance has improved remarkably. Which of these conditions best describes Bismark's situation at his former school?
 - A. Dysarthria
 - B. Dyscalculia

- C. Dysgraphia
- D. Dyslexia

6. Zeinab and Tenkorang always make fun of accents and pronunciations in class. One day, in a reading and comprehension lesson, they laughed so hard that it affected everyone. This was because almost the entire class struggled to read the sentences "A fly and a flea flew into a flue" and "My shoe shall soon shine" very fast. Which literary device will you assign these sentences to?

- A. Alliteration
- B. Assonance
- C. Oxymoron
- D. Personification

7. Cletus believes that teaching personal pronouns can be quite confusing especially when their subjective forms have to change to objective forms when they immediately follow a preposition. Which of the following sentences exemplifies Cletus' case?

- A. Ama's pencils were given to I.
- B. Andy's math set was given to he.
- C. She gave the books to us.
- D. The pens were given to we.

8. Madam Asabea is the new class teacher for Primary 3. She intends to use her first reading and comprehension lesson to nurture the reading abilities of her new learners. Which of the following is Madam Asabea most likely to do during the lesson?

- A. Ask learners to read silently.
- B. Discuss the topic
- C. Preview vocabulary
- D. Talk to learners about the text

9. When Elorm was called to tell his side of the story, he gave details about what actually happened. Which literary element **best** describes Elorm's action?

- A. Plot
- B. Point of view
- C. Setting
- D. Theme

10. A group of primary teachers in the Asunafo District believe that encouraging learners to construct meaningful sentences also constitutes writing. Which writing skill component appears to be the focus of these teachers?

- A. Compositional skill

- B. Domain knowledge
- C. Grammatical skill
- D. Literary skill

11. Mrs. Amegah gave her Basic 6 learners a list of words to punctuate. Which among these words is correctly punctuated?

- A. Brother in law
- B. Father-in-law
- C. Mother in-law
- D. Sister-in law

12. It is important that learners learning to become creative writers get an understanding of the topics they write on. This means that primary school teachers should encourage learners to demonstrate knowledge of the things they want to talk about in writing. Which writing skill component should be of concern to the teachers?

- A. Compositional skill
- B. Domain knowledge
- C. Grammatical skill
- D. Literary skill

13. In your new school, you just found out that lower primary school teachers always read key words and passages and ask the learners to repeat after them. They usually start reading words, phrases, sentences and paragraphs. Which reading theory can be said to have influenced this classroom practice?

- A. The cognitive view
- B. The schema theory
- C. The socio-cultural view
- D. The traditional bottom-up view

14. The general outcomes or specific aims of the English Language curriculum are many. However, one of these can certainly not be part of them.

- A. acquire a wide stock of vocabulary
- B. cultivate the habit of reading widely for pleasure
- C. read for cultural segregation purposes
- D. read with pleasure literary material

15. Madam Judith is serious about helping her learners to talk in and out of the classroom. She has been trying every technique to achieve this purpose but to no avail. As a colleague teacher, which of these strategies are you likely to recommend to her?

- A. Debate

- B. Dialogue
- C. Storytelling
- D. Use of audio-visual

16. A two-day conference was organized for language and literacy teachers across pretertiary schools in the Techiman Municipality. The speaker advised that reading skills can effectively be imparted and acquired when texts, contexts and messages are related to past experiences of the learner. Which theory of reading clearly defines the speaker's advice?

- A. The schema theory
- B. The top-down processing theory
- C. The traditional bottom-up view theory
- D. The transactional theory

17. The headteacher for Ejisu Abankro Primary School requested that teachers who are on the National Service programme in his school design and present a sequence that will show topics that are to be taught. What exactly is the headteacher demanding of the teachers?

- A. Lesson plan
- B. Scheme of work
- C. Subject curriculum
- D. Teacher's resource pack

18. Pre-tertiary teachers in Ghana are always blamed for learners' writing problems including even that of tertiary students. As a primary school teacher who seems unprepared to take the blame, which of the following strategies will you avoid in developing writing skills at the primary school level?

- A. Content experience
- B. Controlled practice
- C. Modelling
- D. Organization of ideas

19. As a language and literacy teacher for Basic 1, which among these assessment tools are you likely to consider to monitor learners' language learning progress?

- A. Interviews
- B. Observation
- C. Questionnaire
- D. Test

20. Which form of reading is characterized by quick eye movements and aims at identifying specific information in a text?

- A. Extensive reading
- B. Intensive reading

- C. Scanning
- D. Skimming

PART II: MATHEMATICS

This part of the paper consists of 20 multiple-choice questions with four options A to D. Read and evaluate all four options and circle the letter of the correct or best answer.

21. The value of the digit 5 in the number 2265999 is
- A. fifty
 - B. five hundred
 - C. five thousand
 - D. five million
22. What is the order of rotational symmetry of a scalene triangle?
- A. 1
 - B. 2
 - C. 3
 - D. 4
23. All the following are the domains that should always focus on assessment **except** professional ...
- A. development
 - B. knowledge
 - C. practice
 - D. skills
24. Which of the following is **not** a strategy to assess learning in an effective mathematics classroom?
- A. Demonstrating acceptance of learners' divergent views
 - B. Influencing learning by posing challenging and interesting questions
 - C. Solving all mathematics problems on the board and asking learners to copy
 - D. Using learners' responses as constructive feedback
25. If $x*y=2x+3y-xy$, then $5*3$ is equal to
- A. 4
 - B. 6
 - C. 8
 - D. 10
26. Spatial awareness development by learners is key for their spatial sense. Which of the following activities is useful in the development of learners' spatial sense?

I. Giving learners freedom to explore II. Playing of Hide-and-Seek Games by learners
 III. Stacking and rearranging of objects by learners IV. Learners fitting things together
 and taking them apart

- A. I only
- B. I and II only
- C. I, II and III only
- D. I, III and IV

27. Write 1011001_2 in base ten.

- A. 89
- B. 99
- C. 109
- D. 119

28. A mathematics educator's belief can be explained as follows: I. A social property of mathematical knowledge II. A statement that is not directly related to scientific knowledge III. A statement that contradicts some scientific domain IV. Psychological property which is more uncertain than knowledge

- A. I only
- B. I and IV only
- C. II, III and IV only
- D. IV only

29. As part of your preparation for a system of linear equations class, how would you orderly arrange the following steps to help your learners' understanding? I. Solving the given equation. II. Reading the problem carefully and determining what you want to find. III. Writing the equation for the solution IV. Assigning variables to the unknown quantities

- A. I, II, III, IV B. II, I, IV, III C. II, III, I, IV
- D. II, IV, III, I

30. The probability of an athlete taking part in a race is $\frac{1}{7}$. The probability that he wins the race is $\frac{1}{3}$. What is the probability that he takes part and wins the race?

- A. $\frac{1}{10}$ B. $\frac{2}{10}$
- C. $\frac{1}{21}$
- D. $\frac{10}{21}$

31. The probability of rolling a die and getting the face 4 turning up is $\frac{1}{6}$. Which of the following will you use in explaining 1 and 6 in the fraction to a Basic 6 pupil? I. $S=\{1,2,3,4,5,6\}$ is all possible outcomes of faces turning up. II. The number 6 is called the sample space III. The number 1 means 4 appeared only once as an event $E=\{4\}$

with $n(E)=1$ IV. The number 4 means 4 appeared only once as an event $E=\{4\}$ with $n(E)=1$ V. The probability of throwing a die and 4 showing up is $1/6$.

- A. I, II, III, V
- B. I, II, IV, V
- C. I, III, V
- D. I, IV, V

32. A mason hired a casual worker to fill a cubic rubber tank of length 1.3m with water. The worker used a 64-litre container. If the mason agreed to pay GH¢2.15 for a container of water fetched, calculate the amount of money the mason paid the labourer to fill the tank with water.

- A. GHC 54.31
- B. GHC 56.00
- C. GHC 63.81
- D. GHC 73.81

33. The function f and g of the real variable x is defined as $f:x \rightarrow 1-2x$ and $g:x \rightarrow 1/(x+3)$. Determine the domain and inverse function of the function g .

- A. $\{x:x \in \mathbb{R},\}, g^{-1}(x)=x/(1-3x)$
- B. $\{x:x \in \mathbb{R}, x+3 \neq 0\}, g^{-1}(x)=(1-3x)/x$
- C. $\{x:X \in \mathbb{R}, x+3=0\}, g^{-1}(x)=x/(1-3x)$
- D. $\{x:x \in \mathbb{R}, x-3 \neq 0\}, g^{-1}(x)=(1-3x)/x$

34. After an algebraic expression lesson, your learners wrote the phrase 'the product of 5 and the sum of a and b ' using symbols is.....

- A. $5+a+b$
- B. $5+axb$
- C. $5(a+b)$
- D. $5a+b$

35. Lines are drawn to intersect two lines and the number of points of intersection counted and recorded. What would be the number of intersections for the 100th term?

- A. 100
- B. 200
- C. 300
- D. 400

36. Ato is 5 years older than Musa, and Esi is twice as old as Ato. The total of their ages is 103 years. Find Musa's age.

- A. 12
- B. 22

- C. 32
D. 42

37. Abena bought $\frac{2}{3}$ grams of flour of an Olonka container and used $\frac{1}{4}$ grams of it for each loaf of bread. Which of the following expressions depicts the number of loaves of bread she can produce?
- A. $\frac{2}{3} + \frac{1}{4}$
B. $\frac{2}{3} - \frac{1}{4}$
C. $\frac{2}{3} \times \frac{1}{4}$
D. $\frac{2}{3} \div \frac{1}{4}$

38. Find the mode for the data set 5, 7, 8, 7, 6, 4, 3, 4.
- A. 4
B. 7
C. 5 and 6
D. 4 and 7

39. A teacher in an upper primary class explained a concept as the measure of the distances round a closed plane figure. Which concept is this?
- A. Area
B. Capacity
C. Perimeter
D. Volume

40. Calculate the mean age from Table below

Age(Years)	6	7	8	9	10	11	12	13
Frequency	43	1	3	6	2	4	2	26

- A. 1.00 B. 3.04 C. 4.94
D. 8.84

PART III: SCIENCE

This part of the paper consists of 20 multiple-choice questions with four options A to D. Read and evaluate all four options and circle the letter of the correct or best answer.

41. On a trip to the Paga crocodile pond, Ananse told his teacher that the crocodiles look like lizards. The teacher explained that they look alike because both are... A. birds.
B. insects
C. mammals.
D. reptiles.

42. Mansa and Kande were arguing about the objects in the solar system. As their science teacher, which object in the solar system will you tell them is the biggest? A. Earth
B. Moon
C. Star
D. Sun
43. Jack wants to minimize waste in his house. Which of these will be an appropriate approach to help him?
A. Bringing new items
B. Buying more items
C. Donating items
D. Hoarding items
44. Madam Tonga is teaching her Class 6 learners the water cycle. Which of the following will she **not** mention as being part of the water cycle?
A. Condensation
B. Crystallization
C. Evaporation
D. Precipitation
45. John's mother told him to walk slowly because the floor was slippery. Which of the following accounts for the slippery nature of the floor? Reduced...
A. compressional force
B. frictional force
C. gravitational force
D. magnetic force
46. During a science lesson, Mavis asked her teacher how cholera can be prevented since her cousin had that disease. Which of the following suggestions will **not** be an appropriate preventive measure?
A. Bathing in the rain
B. Keeping clean surroundings
C. Protecting food from houseflies
D. Washing hands with before eating
47. In the course of teaching properties of metals to your students, one student got confused between malleability and ductility of metals. How best can you explain these two concepts to that student?
A. Malleability and ductility are the same properties.
B. Malleability and ductility are unrelated properties.

- C. Malleability is the ability of a metal to be hammered into a sheet, while ductility is the ability to be stretched into a wire.
- D. Malleability is the ability of a metal to be stretched into a wire, while ductility is the ability to be hammered into a sheet.
48. In a class experiment on electrical circuit, Ama connected the wire to the capacitor, the battery and the bulb but left the key open. What should she expect to happen to the electrical circuit?
- A. Current will flow through the circuit.
- B. Current will not flow through the circuit.
- C. Nothing will happen to the circuit.
- D. The light will shine brighter.
49. Which of the following is the Environmental Protection Agency likely to tell a community to do in order to reduce climate change? A. People should engage in bush burning.
- B. People should increase smoke from their cars.
- C. The community should cut down more trees.
- D. The community should plant more trees.
50. In an experiment with two lighted candles, one candle was covered with a glass jar after sometime. Dei could not understand why the covered candle went off. As the teacher of Dei, what will be your explanation to him? The covered candle went off because it ...
- A. lacked enough oxygen
- B. had enough oxygen
- C. had stable wick
- D. had too much light
51. Manu told his friend that his father is on dialysis at Komfo Anokye Teaching Hospital. Which of the father's organs may be having problems?
- A. Kidneys
- B. Liver
- C. Lung
- D. Skin
52. Madam Tanye took her students to a gari production site and tasked the students to identify two scientific processes used in the preparation of gari. Which two processes are the students likely to identify?
- A. Crystallization and evaporation
- B. Fermentation and evaporation
- C. Moulding and fermentation

D. Saponification and evaporation

53. During a power outage, Jane put two dry cells in a torchlight. Trace the path of energy transformation in the dry cells.

- A. Chemical energy - electrical energy - light energy
- B. Chemical energy - heat energy - light energy
- C. Electrical energy - chemical energy - light energy
- D. Electrical energy - heat energy - light energy

54. Mrs. Amuzu accidentally poured salt into a bowl of water. She immediately put the bowl on the fire for the solution to boil until all the water dried up. What method of separation of mixtures is she using to get her salt?

- A. Decantation
- B. Evaporation
- C. Filtration
- D. Sublimation

55. Kizito has been addicted to smoking tobacco for the past ten years. What component of tobacco is causing the addiction?

- A. Benzene
- B. Carbon monoxide
- C. Nicotine
- D. Tar

56. As a teacher, you have been posted to a village where the water they drink is not colourless. What could you add to your water to make it colourless for you to drink?

- A. Alum
- B. Chlorine
- C. Fluorine
- D. Iodine

57. In explaining stars to your students, what description are you likely to give?

- A. A bright ball object with a long tail
- B. An object moving around another object
- C. A large ball of burning gas
- D. A small rocky object

58. Agyeiwaa observed some sandy particles in the water she fetched from the river. What method could be used to separate the sand from the water?

- A. Distillation
- B. Evaporation
- C. Filtration

D. Sublimation

59. When a girl was feeling cold, she started rubbing her palms together and felt some warmth in her palms after sometime. This happened due to...

- A. energy
- B. friction
- C. lubrication
- D. momentum

60. As a science teacher, which of the following will you tell learners as consequence of cutting down trees indiscriminately?

- A. Increase in amount of chlorofluorocarbons
- B. Increase in carbon dioxide in the atmosphere
- C. Production of more acid rain in the atmosphere
- D. Likelihood to cause more volcanic eruptions

PART IV: SOCIAL STUDIES

This part of the paper consists of 15 multiple-choice questions with four options A to D. Read and evaluate all four options and circle the letter of the correct or best answer.

61. One general belief is that individuals who inherit both the patrilineal and matrilineal lines of ancestors are usually...

- A. bilateral
- B. bilineal
- C. parallel
- D. unilineal

62. The high growth of population in the cities of Ghana will lead to an increase in the temperature of the earth's atmosphere around the cities. This phenomenon is a major cause of...

- A. climate change
- B. degradation
- C. global warming
- D. pollution

63. Jose always seeks out information about someone new to make him feel better about his "unknown" self. This will assist him with...

- A. dual processing
- B. interpretation
- C. pattern recognition
- D. uncertainty reduction

64. Sandra's youngest child has just been admitted into a boarding school. She and her husband are interacting in different ways now that their child is in school. She now gets enough time to spend with her husband in an adult-to-adult rather than parent-to-child interaction. Sandra is in which stage of family life cycle?
- A. Joining families
 - B. Later life
 - C. Leaving home
 - D. Midlife
65. According to the 1992 Constitution of the Republic of Ghana, a non-Ghanaian woman married to a Ghanaian man or a non-Ghanaian man married to a Ghanaian woman may apply to be considered as a citizen of Ghana. Which of the following statements is true about the above assertion? The non-Ghanaian man/woman will...
- A. cease to be a citizen of Ghana when there is a divorce
 - B. continue to be a Ghanaian citizen even after the divorce
 - C. have to marry a Ghanaian in order to maintain his/her citizenship status
 - D. have to reapply to be reconsidered as a Ghanaian citizen
66. Mary feels that she will not be able to achieve success in her Mathematics exams and will never be able to improve her performance in Mathematics. Such beliefs about ability...
- A. do not affect her motivation in any manner.
 - B. help her to relax in every Mathematics exam.
 - C. increase her motivation to learn.
 - D. make her feel a sense of giving up on the task.
67. A 25-year-old son of Mr. and Mrs. Adjoku did not marry, had no child and died without leaving behind any will. According to the Interstate Succession Law of Ghana, how much of his estate shall devolve to the surviving parents?
- A. One-eighth
 - B. One-fourth
 - C. Three-fourth
 - D. Two-fourth
68. In big cities and towns, all waste materials that are generated and deposited on the land are either absorbed or recycled by the environment. These absorbed or recycled materials reduce the rate at which they affect human life. This phenomenon makes the environment a... of waste materials.
- A. controller
 - B. converter
 - C. depository

D. repository

69. With regards to Ghana, consider the following statements: I. a citizen who holds dual citizenship can become MP but not president. II. a non- Ghanaian who marries a Ghanaian becomes a citizen of Ghana automatically. III. all those who were Ghanaians before the adoption of the 1992 Constitution will continue to be Ghanaians. IV. a child of more than seven years whose parents are not known can become a citizen of Ghana. V. a non-Ghanaian can become a citizen through adoption. Which of the following statements given above is/are correct?

- A. III only
- B. I, III, IV
- C. II, III, IV
- D. I, II, V

70. Although Joe loves his Play Station, he is often too careless with it. In order to stop this behaviour, his parents tell him they will take away his favourite game. Based on operant conditioning, this is considered....

- A. negative punishment
- B. negative reinforcement
- C. positive punishment
- D. positive reinforcement

71. Mickel has been bullying his younger sister. His mother comes in and talks to him not to treat his sister that way but find more acceptable ways to express his anger when his sister offends him. Which parenting style does this exemplify?

- A. Authoritarian
- B. Authoritative
- C. Permissive-indifferent
- D. Permissive-indulgent

72. The recent high rate of global warming in the world is attributed to the presence of the following gases in the atmosphere. I. methane, II. Sulphur dioxide, III. Surface ozone, IV. Nitrogen dioxide, V. Carbon dioxide

- A. I, II, V
- B. I, III, V
- C. I, III, IV, V
- D. I, II, IV, V

73. Sam is described as dominant, independent, sensitive and gentle. What is Sam's gender identity?

- A. Gender identity
- B. Gender schema

- C. Gender role
- D. Sexuality

74. The inclusion of citizenship into the curriculum is mainly to achieve all the following **except...**

- A. educating youths about their rights
- B. promoting ethnicity among citizens
- C. promoting national unity
- D. teaching value orientation

75. One major feature of deviant behaviour is that sometimes the same behaviour can be seen as normal by one person and deviant by others. This makes deviant behaviour...

- A. constructive
- B. positive
- C. relative
- D. subjective.

PART V: EDUCATION

This part of the paper consists of 15 multiple-choice questions with four options A to D. Read and evaluate all four options and circle the letter of the correct or best answer.

76. Kohlberg's theory proposes that there are three levels of moral development, with each level split into two stages. Which of these is **not** among the levels?

- A. Conventional
- B. Intentional
- C. Post-conventional
- D. Pre-conventional

77. The application of modern scientific knowledge to understand how a child develops is **called ...**

- A. child study
- B. pedagogy
- C. physiology
- D. psychology

78. Evaluation is done by the classroom teachers to... A. enable the teacher prepare his/her lessons.

- B. help student pass their exams.
- C. identify the growth or lack of it among learners.
- D. make sure those who are not good are repeated.

79. Akua, a Class 4 pupil in Anglican Primary School, accepts all rules because she knows breaking the rules will lead to immediate punishment. Which of the following punishments is she likely to face should she break the rules? A. Corporal punishment.
- B. Expiatory punishment
- C. Immanent justice
- D. Instant judgement
80. Kofi, a Basic 4 pupil in Abodom Basic School is above- average and has a high level of task commitment and creativity. Which among the following best fits Kofi's characteristics?
- A. Gifted and highly intellectual
- B. Gifted and talented
- C. Highly intellectual and talented
- D. Talented and intellectual
81. When Georgina was assisted by the new mathematics teacher, she was able to score 84%. However, she managed to obtain 76% when she was left alone. Which Vygotskian concept can be identified in this situation? A. Scaffolding.
- B. Samina.
- C. Skill development
- D. Zone of Proximal Development.
82. In one of Gloria's STS practice at Kissi Methodist Primary School, she realized that the pupils' thinking is based entirely on physical actions and learn by doing, rather than by thinking. The pupils are operating in the... mode representation.
- A. concrete
- B. enactive
- C. iconic
- D. symbolic
83. Mr. Nkum's class is mostly interactive and his learners are active participants in their own learning. Which school of thought or philosophy is employed by Mr. Nkum?
- A. Idealism
- B. Pragmatism
- C. Realism
- D. Social Constructivism
84. Madam Asana is a faith-based woman and a mother of a 4-year-old son. Her son always burns his hand every time a candle is lit. Madam Asana is worried and claims strongly that evil spirits are tormenting her son. As a pre-tertiary teacher, how will you describe what is happening to Madam Asana's son?

- A. Absence of learning
- B. Accommodation deficiency
- C. Carelessness
- D. Lack of adaptation

85. Mr. Faucet believes that the best way to help children in primary schools to learn is to take them through frequent mental exercises. He advocates for dictation, oral spelling and other related mind-engaging activities. What do you suppose is the source of Mr. Faucet's belief?

- A. Existentialism
- B. Idealism
- C. Pragmatism
- D. Realism

86. After teaching, guiding and demonstrating to Class 6 learners the steps involved in conducting a safe laboratory experiment, a teacher allows learners to conduct the experiment independently in order to assess what they can do without his assistance. Which Vygotskian concept is being utilized in this classroom situation?

- A. Autonomy
- B. Differentiation
- C. Scaffolding
- D. Zone of proximal development

87. Which of the following practices will **not** promote effective classroom management?

- A. Parental involvement.
- B. Emotional support.
- C. Permissiveness.
- D. Reasoning with parents.

88. Which of the following schools of thought or philosophy argues that the universe comprises the sensory world and the real world?

- A. Existentialism
- B. Idealism
- C. Pragmatism
- D. Realism

89. Which of the following characterizes effective classroom management?

- A. Building positive relationships with learners
- B. Establishing a strict set of rules and punishments
- C. Focusing solely on academic achievement
- D. Providing constant praise and rewards to students

90. Which teaching method is used when a teacher wants to present new and relevant information to a class?

- A. Discussion
- B. Lecture
- C. Role play
- D. Socratic

PART VI: ICT

This part of the paper consists of 5 multiple-choice questions with four options A to D. Read and evaluate all four options and circle the letter of the correct or best answer.

91. Which of the following is **not** the valid edition of MS PowerPoint?

- A. MS PowerPoint 2003 B.
- MS PowerPoint 2007 C.
- MS PowerPoint 2010
- D. MS PowerPoint 2012

92. Which of the following statements is/are true of word count in MS word. I. There is no limit to the number of words counted in word count. II. Pages, paragraphs, lines and characters are all counted. III. Word count is important because it helps select readers. IV. 50,000 is one word whereas self-improvement is counted as two words. A. I and II only

- B. I, II and III only
- C. II and III only
- D. I, III and IV only

93. My mission is to connect researchers and make it easy for them to share and access scientific output, knowledge and expertise. I am an excellent place to meet colleagues and share our works and thus provide opportunities to find potential collaborators around the world. Which among the terminologies is **most** appropriate for this description?

- A. Academia.edu
- B. Journals
- C. Research Gate
- D. The internet

94. A group of learners came up with I. their original literary and artistic works, II. collections of literary or artistic works which constitute intellectual creations, III. musical compositions without words, which of the works above is protected by copyright?

- A. I only
- B. I, II, and III

- C. II only
- D. III only

95. The following are long-term health effects of improper use of mobile phones **except...**

- A. Headaches
- B. Joint pains
- C. Burns
- D. Tiredness

PART VII: TVET (CREATIVE ART)

This part of the paper consists of 5 multiple-choice questions with four options A to D. Read and evaluate all four options and circle the letter of the correct or best answer.

96. In dance performance, if the dancer strikes the back of the right palm against the left open palm, it means the dancer...

- A. hates you
- B. loves you
- C. pleading with you
- D. wants to kill you

97. One way in which visual arts influences twenty-first century Western culture is that ...

- A. community art projects provide a creative outlet for community members.
- B. public works of art serve to instruct their viewers in approaches to aesthetic analysis and criticism.
- C. new uses by artists of familiar materials and tools promotes further creativity in the use of materials and tools in other disciplines.
- D. public images provide alternative viewpoints of significant events, people and developments occurring in society.

98. In developing ideas from natural objects, learners were guided to select ideas, visualize elements, compose and use techniques in different ways as preliminary designs. In craftsmanship, learners will be producing ...

- A. actual work.
- B. designs.
- C. drawings.
- D. Prototypes.

99. In a musical performance, a two-bar phrase usually goes with a corresponding two-bar answering phrase. The questioning phrase can best be said to be a/an ...

- A. Antecedent
- B. Antecedent.

- C. Consequence.
- D. Consequent.

100. Art depicting inanimate objects are **called** ...

- A. gesture drawings
- B. blind contour drawings
- C. grid drawings
- D. still life drawings