

KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT (KJSEA)

AGRICULTURE AND NUTRITION (906/1)

Paper Code: 906/1 | Year: KJSEA 2025 | MARKING SCHEME

SECTION A — Multiple Choice (30 marks, 1 mark each)

1. A	2. C	3. D	4. C	5. C	6. A
7. C	8. B	9. B	10. B	11. B	12. C
13. A	14. C	15. A	16. A	17. C	18. B
19. A	20. A	21. B	22. A	23. B	24. C
25. C	26. B	27. D	28. B	29. C	30. B

SECTION B — Structured Questions (40 marks)

Q	Expected Answer	Marks
31a	Any ONE farming practice causing soil pollution e.g. excessive use of inorganic/chemical fertilisers; over-application of pesticides/herbicides (1 mark)	1
31b	Any ONE organic practice e.g. use of compost manure; mulching; crop rotation; cover cropping (1 mark)	1
31c(i)	Any ONE: water pan; terraces; gabions; retention ditch (1 mark)	1
31c(ii)	Award 2 marks for logical construction steps of the named structure, e.g. for water pan: dig a depression in the ground; shape the sides; compact the walls to prevent seepage (2 marks)	2
32a	Fine tilth / fine and medium tilth (1 mark)	1
32b(i-iii)	Identify TWO of the three structures: A — nursery bed/seedbed; B — raised bed; C — framed/suspended garden (accept descriptions) (1 mark each)	2
33a	Watering and weeding (any TWO of the following: watering, weeding, mulching, gapping, thinning) — 1 mark each	2
33b	Any TWO advantages e.g.: cheap/low cost; no electricity needed; hygienic; preserves colour and nutrients compared to other methods (1 mark each)	2
34a	Simsim/sesame is used for making oil/simsim paste (tahini) (1 mark)	1
34b	Earthing up / hilling up (1 mark)	1
34c	Earthing up prevents greening of tubers (exposure to light causes solanine formation); promotes tuber development (1 mark for valid reason)	1
35a	Hay (1 mark)	1
35b	At flowering stage / when nutrients are highest (1 mark)	1
35c(i)	Scion (1 mark)	1
35c(ii)	The rootstock (B) is cut at an angle / a slit made; the scion is inserted into the cut; they are bound tightly together with grafting tape to prevent drying out and ensure cambium layers meet (2 marks)	2
36a	Clean/fumigate the structure; repair any cracks; remove old grain/debris (any ONE — 1 mark)	1
36b	Part F (legs/stands/rat guards) — to prevent rats/rodents from climbing into the store (1 mark)	1
36c	Part E (wire mesh ventilation) — to allow air circulation/ventilation while keeping out birds and pests (1 mark)	1
37a	Any TWO factors e.g.: number of people to be fed; nutritional needs/balanced diet; available food/ingredients; budget/cost; food preferences (2 marks each × 2 = 4 marks)	4
37b	Any TWO e.g.: to remove lumps for smooth batter; to aerate the flour for lighter pancakes (1 mark each)	2
37c	Any TWO e.g.: store in a cool dry place; cover food to prevent contamination; refrigerate if possible (1 mark each)	2
37d	Any TWO reasons, 2 marks each e.g.: to prevent bad odour in kitchen; to prevent breeding of flies and pests which spread disease (4 marks total — 2 marks per reason with explanation)	4
38	Any FOUR advantages e.g.: soft and comfortable for baby's skin; elastic/stretchy allowing movement; warm; easy to wash; absorbs moisture; lightweight (1 mark each)	4

Total: 70 marks