

# CONTENT PER TERM

## • TECHNOLOGY •

### GRADE 7

#### TERM 1

• Technology • Drawings • Levers •

#### TERM 2

• Mechanisms • Levers • Structures •

#### TERM 3

• Magnetism • Mechanical Systems • Mechanical Advantage •  
• Reinforcement of Frame Structures • Cranes • Inclined Planes •

#### TERM 4

• The Processing of Materials for Emergencies •

# EXAMPLE:

## EXTRACT FROM TEST PAPER



• TECHNOLOGY •

GRADE 7

TERM 1

• Technology • Drawings • Levers •

## Section A | Multiple Choice

Circle the correct answer:

- 1.1 What is meant by Technology?
- a) The use of products in our everyday lives.
  - b) The use of knowledge, skills, values, and resources to solve problems.
  - c) The development of new social media platforms.
  - d) The creation of art with technological devices.
- 1.2 What form do solutions in the technological world usually take?
- a) Services
  - b) Products
  - c) Ideas
  - d) Opportunities
- 1.3 Which professions make use of technology?
- a) Only engineers
  - b) Craftsmen and architects
  - c) Graphic designers and scientists
  - d) Everyone who designs a product
- 1.4 What is the definition of an engineer?
- a) A person who designs buildings
  - b) A person who applies scientific knowledge to solve problems
  - c) A person who makes handmade items
  - d) A person who does surveying work
- 1.5 What is the definition of a craftsman?
- a) A person who makes handmade items
  - b) A person who does surveying work
  - c) A person who does graphic design
  - d) A person who designs buildings
- 1.6 How many steps are included in the design process?
- a) Three steps
  - b) Five steps
  - c) Seven steps
  - d) Ten steps
- 1.7 Which step in the design process includes the evaluation of design ideas?
- a) Step 1: Research
  - b) Step 2: Design
  - c) Step 3: Make
  - d) Step 4: Evaluate
- 1.8 What is an important consideration during the design of a product?
- a) The cost of manufacturing
  - b) The length of the design process
  - c) The weight of the product

- d) The designer's personal preference
- 1.9 What is an important consideration when it comes to the purpose of a product?
- a) The designer's taste
  - b) The price of the product
  - c) The sale of the product
  - d) Whether it achieves the purpose for which it was designed
- 1.10 What is ergonomics?
- a) The study of how a product looks.
  - b) The study of how pleasing things are to look at.
  - c) The study of designing products that best fit the human body.
  - d) The study of the design process.
- 1.11 What aspect is considered regarding aesthetics in the design of a product?
- a) The price of the product
  - b) The functionality of the product
  - c) How beautiful it is to look at
  - d) The length of the product
- 1.12 What is meant by the target group of a product?
- a) The group of people who will use a product
  - b) The people who designed a product
  - c) The people who sold a product
  - d) The people who advertised a product
- 1.13 With which step in the design process do you make a detailed drawing of the product?
- a) Step 1: Research
  - b) Step 2: Design
  - c) Step 3: Make
  - d) Step 4: Evaluate
- 1.14 What is an important consideration in determining the price of a product?
- a) The cost of raw materials
  - b) The amount of time invested in the design
  - c) The personal preferences of the designer
  - d) The price of similar products on the market
- 1.15 What does the evaluation step in the design process involve?
- a) Identifying the problem
  - b) Determining if the design ideas meet specifications
  - c) Communicating the design ideas
  - d) The final manufacturing of the product
- 1.16 What does it mean if a product is cost-effective?
- a) It is very expensive to produce
  - b) The cost of production can be kept low without sacrificing quality
  - c) It is more expensive than similar products on the market
  - d) It has no effect on the cost of manufacturing