



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY
DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

**MOTOR VEHICLE BODY REPAIRS, PRECISION MACHINING, MOTOR
VEHICLE MECHANICS, DIESEL PLANT FITTING AND AUTOMOBILE
ELECTRICS AND ELECTRONICS**

**SUBJECT: Introduction to Automotive Computer PAPER NO: 346/21/S12
Applications**

DURATION: 3 Hours

MARCH/APRIL 2025 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

Answer all questions – (100 marks).

PAPER NO: 346/21/S12 – INTRODUCTION TO AUTOMOTIVE COMPUTER APPLICATIONS

QUESTION 1

- a) State the role of Navigation bar in AutoCAD. (3 marks)
- b) List four (4) AutoCAD common tools found on the Quick Access Toolbar. (4 marks)
- c) State three (3) AutoCAD coordinates used in locating points. (3 marks)
- d) Give three (3) input Automotive Sensors. (3 marks)
- e) Write the following abbreviations in full:
 - i) CPU (1 mark)
 - ii) RAM (1 mark)
 - iii) ROM (1 mark)
 - iv) USB (1 mark)
 - v) UPS (1 mark)
 - vi) CAD (1 mark)
 - vii) CAM (1 mark)

QUESTION 2

- a) Name four (4) computer hardware components. (4 marks)
- b) State the function of the following computer devices:
 - i) CPU (2 marks)
 - ii) ALU (2 marks)
 - iii) Keyboard (2 marks)
 - iv) VDU (2 marks)
- c) List four (4) functions of computers in relation to Automotive trade. (4 marks)
- d) Draw the four (4) stages of data processing cycle. (4 marks)

PAPER NO: 346/21/S12 – INTRODUCTION TO AUTOMOTIVE COMPUTER APPLICATIONS

QUESTION 3

- a) Explain the function of the following input devices: (2 marks)
- i) Mouse (2 marks)
 - ii) Joystick (2 marks)
 - iii) Trackball (2 marks)
 - iv) Barcode reader (2 marks)
 - v) Scanner (2 marks)
- b) Differentiate between a RAM and ROM. (2 marks)
- c) Identify four (4) external storage devices. (4 marks)
- d) List four (4) social media platforms that can be used in Automotive marketing. (4 marks)

QUESTION 4

- a) Computer virus refers to ----- (2 marks)
- b) List four (4) features of a word processor. (4 marks)
- c) Define the following internet terms:
- i) World Wide Web (2 marks)
 - ii) Website (2 marks)
 - iii) Home page (2 marks)
 - iv) Web page (2 marks)
 - v) Web browser (2 marks)
- d) Give four (4) tools displayed on the home tab in the paint application. (4 marks)

PAPER NO: 346/21/S12 – INTRODUCTION TO AUTOMOTIVE COMPUTER APPLICATIONS

QUESTION 5

- a) List four (4) uses of paint application in automotive engineering. (4 marks)
- b) Fill in the keyboard functions table below:

	Key	Function	
i)	Ctrl + Delete		(2)
ii)	Backspace		(2)
iii)	Enter		(2)
iv)	Ctrl + F1		(2)
v)	Delete		(2)
vi)	Shift		(2)

- c) Fill the table below:

	Command Name	Function	
i)	Break		(2)
ii)	Mirror		(2)

...../pm