

**MARKING BRIEF FOR EXAMINATION QUESTIONS**

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| EXAMINATION TITLE **CPD Diploma in Packaging Technology** | |
| **UNIT 3 Packaging Materials and Containers 2**  **Learning Outcomes:**   1. Apply the synthesis and properties of polymers to a range of applications 2. Apply the raw materials, properties and applications of packaging adhesives 3. Review the different types of labels and the materials used 4. Critique closure systems and the factors that affect seals | |
| **QUESTION**  **1. Describe Chemical Mechanical and Diffusion Adhesion. [10 marks]**  **2. Adhesives set after application. Describe three processes by which adhesives set and provide an example of use for each. [10 marks]**  **3. Corrugated cases are often constructed using a different adhesive for construction of the corrugated board, the creation of the manufacturers joint and closing the flaps once the case is filled. Justify the use of an adhesive for each of these applications [5 marks]** | |
| **TOTAL MARKS: 25/100** | **Estimated time: 30 minutes** |

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| **MODEL ANSWER** | | MARKS |
| 1. **Describe Chemical Mechanical and Diffusion Adhesion.** 2. **Adhesives set after application. Describe three processes by which adhesives set and provide an example of use for each** 3. **Corrugated cases are often constructed using a different adhesive for construction of the corrugated board, the creation of the manufacturers joint and closing the flaps once the case is filled. Justify the use of an adhesive for each of these applications**   . | | (10 marks)  ( 10 marks )  ( 5 marks ) |
| **ADDITIONAL COMMENTS** | | |
| **Completed by** | **R Gardiner** | |
| **Date** | **29/03/2020** | |

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| To be completed by Exam Board: | |
| **OK to use?** |  |
| **Comments** |  |
| **Date** |  |