BCS Level 4 Certificate in Data Analysis Tools
Answer Key and Rationale – QAN 603/0824/2

Question	Answer	Explanation / Rationale	Syllabus Sections
1	D	The mean is usually greater than the median, which is always greater than the mode in positively skewed records.	2.2
2	B	R is only extendable as packages.	2.1
3	B	The median of a set of numbers is the number in the middle.	2.2
4	C	The mean is the value obtained by dividing the sum of several quantities by the number of quantities there are. If one of the quantities changes, the mean will ultimately change.	2.2
5	C	Only a Union join is used to perform this function.	1.3
6	C	Data integration reduces complexity by providing a unified view of the data taken from multiple sources.	1.1
7	D	Ignore or create null value is not used when an error is found, whereas accept and correct would be.	1.4
8	B	In business, master data management (MDM) comprises the processes, governance, policies, standards and tools that consistently define and manage the critical data of an organisation to provide a single point of reference.	1.5
9	C	DISTINCT picks single records, avoiding duplicates.	2.1
10	C	Data cleanliness is not a data quality dimension.	1.4
11	D	Data transparency is not a user interface.	1.2
12	A	Dashboard is a combination of data and charts.	1.2
13	C	Structured data refers to data that is organised and defined to the extent that it can easily be included and identified in e.g. a database.	1.5
14	A	Class is a construct that lets data be structured in a particular way. Lists, Dictionary and Tuples all feature in Python.	2.1
15	C	Legality is not a reason for testing.	1.6
16	D	'Insert into' is the only option that is not a recognised type of join.	1.3
17	C	Data migration is done to change application, system or database - never to remove without a replacement.	1.5
18	C	Only Group by is used to perform this function in SQL.	1.3
19	B	Data profiling is the process of examining the data available from an existing information source (e.g. a database or a file) and collecting statistics or informative summaries about that data.	1.4
20	D	A stress test is focused on determining or validating performance characteristics of the product such as scalability and reliability.	1.6