Name: **Enrolment No:**	UPES UNIVERSITY WITH A PURPOSE

UNIVERSITY OF PETROLEUM & ENERGY STUDIES

End Semester Examination (Online) – Dec, 2020

Program: BBA AVO **Semester:III**
Subject/Course: Research Methodology and Report Writing **Max. Marks: 100**
Course Code: DSRM 2001 **Duration: 3 Hours**

Section-A

Q.No	Question	Marks	COs
1.	List of the sources used by the researcher to get information for research report is……. (a) Bibliography (b) Content (c) Appendix (d) None of the above	5	CO1
2.	Which of the following sampling is Non probability sampling. (a) Quota Sampling (b) Simple Random Sampling (c) Cluster Sampling (d) Purposive sampling	5	CO1
3	The essential qualities of a researcher are (a) Reliance on observation and evidence (b) Systematization or theorizing of knowledge (c) All the above (d) None of the above	5	CO1
4	A process by which we estimate the value of dependent variable on the basis of one or more independent variable is called ……....	5	CO2
5	For data 1, 2, 2, 3, 3, 3, 4, 4, 4, 4 what will be mean, median and mode.	5	CO3
6	A company administered an intelligence test to all its employees for along period of time. For all the 80,000 employees, the mean score was found to be 75 and the standard deviation 12. A researcher wishes to study the theory that the top line supervisors of the company are more intelligent than the average. For that, a sample of 50 supervisors is chosen randomly and their mean score is found. To test the theory, what should be the null hypothesis. (a) Ho: $\mu = 75$ (b) Ho:$\mu \neq 75$ (c) Ho:$\mu > 75$ (d) Ho:$\mu < 75$	5	CO4

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<tr><td colspan="4">Section-B</td></tr>
<tr><td>7</td><td>Discuss different measure of central tendency in brief.</td><td>10</td><td>CO1</td></tr>
<tr><td>8</td><td>Discuss the difference between population and sample. Also discuss any two non probability sampling method.</td><td>10</td><td>CO2</td></tr>
<tr><td>9</td><td>Discuss about Nominal and Ordinal scale with an example.</td><td>10</td><td>CO2</td></tr>
<tr><td>10</td><td>What do you mean by Type-1 error and Type-2 error.</td><td>10</td><td>CO3</td></tr>
<tr><td>11</td><td>Calculate the Karl pearson’s coefficient of correlation for the following data.
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<tr><td>X</td><td>12</td><td>9</td><td>8</td><td>10</td><td>11</td><td>13</td><td>7</td></tr>
<tr><td>Y</td><td>14</td><td>8</td><td>6</td><td>9</td><td>11</td><td>12</td><td>3</td></tr>
</table></td><td>10</td><td>CO3</td></tr>
<tr><td colspan="4">Section-C</td></tr>
<tr><td>12</td><td>A company manufacturing icecream sells it in 500 grams packs. Periodically, a sample is taken to check whether, on an average, each pack contains 500 grams. A sample of 16 packs is taken and the sample mean is found to be 460 grams and the estimated standard deviation 40 grams. Does the sample mean differ significantly from the intended weight of 500 grams?
At 5% level of significance and 15 degrees of freedom tabulated value of t test is ± 2.131.
or
Discuss the layout of research report.</td><td>20</td><td>CO4</td></tr>
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