|  |  |
| --- | --- |
| Question**1**. | The Fourier integral representation of  defined in the interval  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **A** |
| Marks | 1 |
| Unit | IId |

|  |  |
| --- | --- |
| Question**2**. | The Fourier transform  of function defined in the interval  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **C** |
| Marks | 1 |
| Unit | IId |

|  |  |
| --- | --- |
| Question**3**. | The inverse Fourier transform  defined in of  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **A** |
| Marks | **1** |
| Unit | IId |

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| --- | --- |
| Question**4**. | In the Fourier integral representation of  ,  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **D** |
| Marks | **1** |
| Unit | IId |

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| --- | --- |
| Question**5**. | In the Fourier integral representation of  ,  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **C** |
| Marks | **1** |
| Unit | IId |

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| --- | --- |
| Question**6**. | In the Fourier integral representation of  ,  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **D** |
| Marks | **1** |
| Unit | IId |

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| --- | --- |
| Question**7**. | The Fourier cosine integral representation of an even function defined in the interval  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **B** |
| Marks | **1** |
| Unit | IId |

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| --- | --- |
| Question**8**. | The Fourier sine integral representation of an odd function defined in the interval  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **D** |
| Marks | **1** |
| Unit | IId |

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| --- | --- |
| Question**9**. | The Fourier cosine transform  of an even function defined in the interval  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **C** |
| Marks | **1** |
| Unit | IId |

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| --- | --- |
| Question**10**. | The Fourier sine transform  of an odd function defined in the interval  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **A** |
| Marks | **1** |
| Unit | IId |

|  |  |
| --- | --- |
| Question**11**. | The inverse Fourier cosine transform  of  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **D** |
| Marks | **1** |
| Unit | IId |

|  |  |
| --- | --- |
| Question**12**. | The inverse Fourier sine transform  of  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **A** |
| Marks | **1** |
| Unit | IId |

|  |  |
| --- | --- |
| Question**13**. | For the Fourier sine integral representation , is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **B** |
| Marks | **1** |
| Unit | IId |

|  |  |
| --- | --- |
| Question**14**. | For the Fourier cosine integral representation , then Fourier cosine transform  is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **C** |
| Marks | **1** |
| Unit | IId |

|  |  |
| --- | --- |
| Question**15**. | For the Fourier sine integral representation   is |
| A |  |
| B |  |
| C |  |
| D |  |
| Answer | **D** |
| Marks | **1** |
| Unit | IId |