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22/30

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 10/10/2020

Value Added Course on "DC Power transmission"

Name : K. Sathyavalli **H.T.No :** 17PP1A0211 **Branch :** EEE

1. Out of the following which multipulse converter is mostly used in HVDC? [ ]

(a) 6-pulse converter
(b) 18-pulse converter
(c) 12-pulse converter
(d) 7-level multilevel inverter

2. Which type of HVDC scheme uses only one conductor? [C]

(a) Homoolar
(b) Bipolar
(c) Monopolar
(d) Back to back link

3. Which of the following HVDC scheme is much better as far as the cost of cable is the concern?

(a) Monopolar [a]
(b) Bipolar
(c) Homopolar
(d) back to back

4. Thyristor valve offers [ ]

(a) High Maintenance
(b) High Power Loss
(c) Free from arcs
(d) Limited V & I ratings

5. Negative polarity on the line in HVDC scheme helps to reduce [d]

(a) Power Factor
(b) Reactive Power

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(c) Line Reactance
(d) Corona loss

6. Which is the lowest order harmonic present in the source current of 12 pulse converter? [ ]

(a) 5th order
(b) 7th order
(c) 11th order
(d) 13th order

7. Which of the following section is more costly to setup HVDC link? [ ]

(a) Converter Transformer
(b) Civil Works Buildings
(c) Valves
d) Engineering

8. Two six pulse converters used for bipolar HVDC transmission system, are rated at 1000 MW, ± 200 kV. What is the dc transmission voltage? [ ]

(a) 200 kV
(b) 400 kV
(c) 500 kV
(d) 100 kV

9.Why dont we prefer the HVDC link for the short distance transmission? [ ]

(a) Huge Filters required
(b) Audio Frequency Interferance
(c) Complexity of Contol
(d) Not economical

10. The main objective of the smoothing reactor [ ]

(a) To reduce the risk of commutation failure
(b) Prevent the resonance in the DC circuit
(c) To smooth the ripple current in DC
(d) All of these

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11. Which type of HVDC link can provide the more than half the rated power transfer capacity under the fault in any one conductor condition? [ ]

(a)Homopolar
(b)Bipolar
(c)Monopolar
(d)Unipolar

12. In HVDC system what would be sequence of the parameter conversion from sending end side to receiving end side? [ ]

(a)dc-dc-ac-dc
(b)ac-dc-dc-ac
(c)ac-ac-dc-ac
(d)dc-ac-dc-ac

13. AC Power system gained much popularity because of [ ]

(a)transformers invention
(b)poly phase circuits invention
(c)induction motor invention
(d)all of these

14.HVDC transmission has _____ as compared to HVAC transmission. [ ]

(a)smaller transformer size
(b)smaller conductor size
(c)higher corona loss
(d)smaller power transfer capabilities

15.HVDC transmission lines are _____ as compared to HVAC lines. [ ]

(a) difficult to erect
(b) more expensive for long distances
(c) more expensive for short distances
(d) less expensive for short distances

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 10/10/2020

Value Added Course on "DC Power transmission"

Name : A. Agastha **H.T.No :** 17PP1A0202 **Branch :** EEE

1. Out of the following which multipulse converter is mostly used in HVDC? [c]

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(b) 18-pulse converter
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(a) High Maintenance
(b) High Power Loss
(c) Free from arcs
(d) Limited V & I ratings

5. Negative polarity on the line in HVDC scheme helps to reduce [a]

(a) Power Factor
(b) Reactive Power

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(c) Line Reactance
(d) Corona loss

6. Which is the lowest order harmonic present in the source current of 12 pulse converter? [C]

(a) 5th order
(b) 7th order
(c) 11th order
(d) 13th order

7. Which of the following section is more costly to setup HVDC link? [C]

(a) Converter Transformer
(b) Civil Works Buildings
(c) Valves
d) Engineering

8. Two six pulse converters used for bipolar HVDC transmission system, are rated at 1000 MW, ± 200 kV. What is the dc transmission voltage? [b]

(a) 200 kV
(b) 400 kV
(c) 500 kV
(d) 100 kV

9.Why dont we prefer the HVDC link for the short distance transmission? [d]

(a) Huge Filters required
(b) Audio Frequency Interferance
(c) Complexity of Contol
(d) Not economical

10. The main objective of the smoothing reactor [d]

(a) To reduce the risk of commutation failure
(b) Prevent the resonance in the DC circuit
(c) To smooth the ripple current in DC
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE : 10/10/2020

Value Added Course on "DC Power transmission"

Name : SK. Naziya **H.T.No :** 18PPSA0226 **Branch :** ~~EEE~~

1. Out of the following which multipulse converter is mostly used in HVDC? [C]

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(b) Bipolar
(c) Monopolar
(d) Back to back link

3. Which of the following HVDC scheme is much better as far as the cost of cable is the concern? [A]

(a) Monopolar
(b) Bipolar
(c) Homopolar
(d) back to back

4. Thyristor valve offers [A]

(a) High Maintenance
(b) High Power Loss
(c) Free from arcs
(d) Limited V & I ratings

5. Negative polarity on the line in HVDC scheme helps to reduce [d]

(a) Power Factor
(b) Reactive Power

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(c) Line Reactance
(d) Corona loss

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(b) 7th order
(c) 11th order
(d) 13th order

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(b) Civil Works Buildings
(c) Valves
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE: DC TRANSMISSION Date : 10/10/2020

MARKS SHEET

S.NO	ROLL NUMBER	NAME OF THE STUDENT	MARKS(30)
1	13PP1A0242	ENUMULA VINODKUMAR	20
2	15PP1A0206	BOLLA KEERTHI	22
3	15PP1A0250	CHELIKANI HARISH	26
4	16PP1A0238	GANNEBOINA SRINIVAS	24
5	16PP5A0227	MOHAMMAD RAFI	20
6	16PP5A0235	YEDLA PRASANTH	28
7	17PP1A0201	ANGURI SUKSHITHA	22
8	17PP1A0202	ARPULA ASRITHA	26
9	17PP1A0203	BANDARU SHIVANI	24
10	17PP1A0204	BURGULA SWATHI	22
11	17PP1A0205	DAIDA NIKHILA	28
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13	17PP1A0208	DHARAVATH BHAVANI	26
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17	17PP1A0213	KASARLA SAMPURNA LATHA	20

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21	17PP1A0217	KOVURU LAXMI NIHARIKA	20
22	17PP1A0218	MYLAVARAM PAVANI	28
23	17PP1A0219	NEMILI VEERAVALLI SREE JANANI	24
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25	17PP1A0221	PAKALAPATI RAMA DEVI	28
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27	17PP1A0224	RAMALA THARUNI	26
28	17PP1A0225	RAYALA VIDYA	24
29	17PP1A0226	SAMMETA YUVA TEJASWI	22
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31	17PP1A0228	SHAIK KARISHMA BEGUM	28
32	17PP1A0229	SHAIK MAHAIMUDA	22
33	17PP1A0230	SHAIK NEHA	26
34	17PP1A0231	SHAIK RAFIA	24
35	17PP1A0232	SK JAREENA	22
36	17PP1A0233	SYED KOUSAR	22
37	17PP1A0234	SYEEDA KAUSAR	20
38	17PP1A0235	THOTA PAVANI	22
39	17PP1A0236	VANAPARLA SUCHITHA	26
40	17PP1A0237	YAGGADI SOWJANYA	24
41	17PP1A0238	AKULA MANOJ KUMAR	20
42	17PP1A0239	BANDI KAMAL	28
43	17PP1A0240	BHUKYA DILEEP	28
44	17PP1A0241	BURRA SHARATH KUMAR	22
45	17PP1A0243	DANASARI GANESH	26
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55	17PP1A0256	BHANOTHU BHARGAVI	22
56	17PP1A0257	BHAYYA SOWMYASRI	26
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59	17PP1A0260	CHELIMALA NAVYA	22
60	17PP1A0261	DARA LAHARI	22
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62	17PP1A0263	EERLA SAMYUKTHA	24
63	17PP1A0264	GUNDA BHAVYA SREE	22
64	17PP1A0265	KASARLA PRAVARSHA	22
65	17PP1A0266	KATAKAM BHAVANI	20
66	17PP1A0267	KATRI MAYURI	22
67	17PP1A0268	LAVUDYA BHAVANA	26
68	17PP1A0269	MOHAMMED SANA SAMREEN	24
69	17PP1A0270	MUGITHI LAXMIPRASANNA	20
70	17PP1A0271	NASPURI ROSHINI	28
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72	17PP1A0273	PAYAM VENKATA LAXMI	26
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74	17PP1A0275	PENKE RAMYA SREE	22
75	17PP1A0276	POLINA RUCHITHA	26
76	17PP1A0277	POTHUGUNTLA SRAVANI	24
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78	17PP1A0279	SHAIK SHANNU	28
79	17PP1A0280	SHAIK ZEENATH	22
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82	17PP1A0283	BEJJAPURAPU KRISHNA	22
83	17PP1A0284	BHUKYA ARUN KUMAR	22

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86	17PP1A0288	KALYANAM JEEVAN SAI	20
87	17PP1A0289	KONE ADITHYA VARDHAN	22
88	17PP1A0291	MAMILLAPALLI NAGA RAGHAVA PAVAN	26
89	17PP1A0295	THATIPAMULA SHIVA GANESH	24
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97	186C5A0204	GUNTUKA SWATHI	26
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100	18PP5A0202	AMARAJI MANASA	22
101	18PP5A0203	BATTU ANJALI	20
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104	18PP5A0207	DRAKSHA VISHWANI	24
105	18PP5A0209	KALAM SPANDANA	20
106	18PP5A0210	KAMPELLI SOWMYA	28
107	18PP5A0211	KESARI MADHURI	22
108	18PP5A0212	KONDAMEEDI ANUSHA	26
109	18PP5A0213	KOREM LAVANYA	24
110	18PP5A0214	LINGAM HARINI	28
111	18PP5A0215	LINGAM MOUNIKA	22
112	18PP5A0216	LOGANI KEERTHI	26
113	18PP5A0218	MOHAMMAD SAMEENA	24
114	18PP5A0219	MUDUMBA SUMANA	22
115	18PP5A0220	PATNALA RASI	22
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118	18PP5A0223	SHAIK KARISHMA	26
119	18PP5A0224	SHAIK NAZIYA	24
120	18PP5A0225	SHAIK PARVEEN	20
121	18PP5A0226	UDARI ANUSHA	28
122	18PP5A0227	VANAMA MONISHA	20
123	18PP5A0228	YEMADABATTHUNI AKHILA	28
124	18PP5A0229	AITHA KARTHIK	22
125	18PP5A0230	GUNDLA KARUNAKAR REDDY	26
126	18PP5A0231	INDROTHU NAVEEN	24
127	18PP5A0232	JEEDULA SUMANTH	22
128	18PP5A0233	KALISETTI MAHESH	22
129	18PP5A0234	MALLIKANTI RAMESH	20
130	18PP5A0235	MOHAMMAD MUSTAFFA	22
131	18PP5A0236	PALAGANI NARENDRA	26
132	18PP5A0237	PANDAGA LOKESH	24
133	18PP5A0238	RAPARTHI SRAVAN KUMAR	20
134	18PP5A0239	SAMUDRALA PHANI KUMAR	28
135	18PP5A0240	SHAIK MADHAR SAHEEB	22
136	18PP5A0241	SHAIK RAHEEM	26
137	18PP5A0242	SHAIK SALEEM	24
138	18PP5A0243	SIRIKONDA SOMESWAR RAO	22
139	18PP5A0244	SRI RAMOJU SAI RAKSHITH	22
140	18PP5A0245	TALLURI SUBRAMANYAM	20
141	18PP5A0246	VELUGU ARUN KUMAR	22

Coordinator

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