



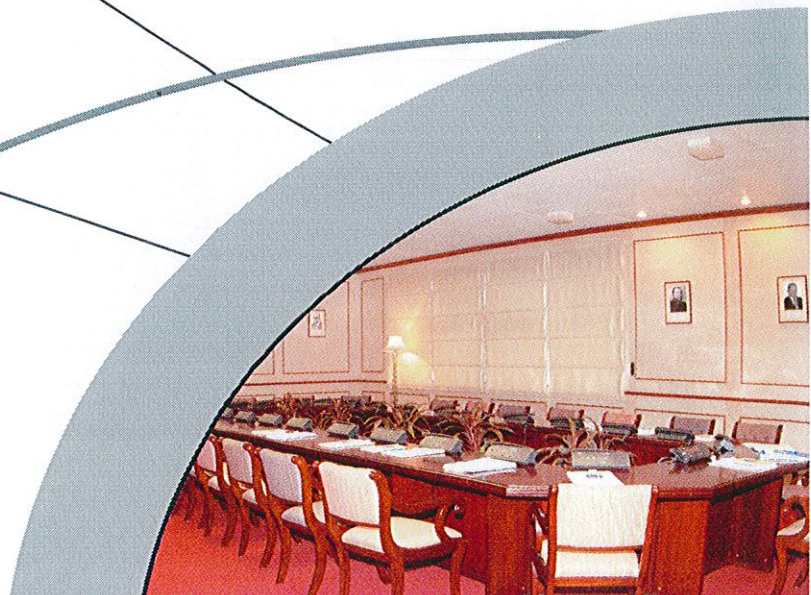
وزارت آموزش عالی

تذکره 2015

تذکره وزارت آموزش عالی، شماره 107/2015/2-2، مورخ 23 شهریور 1394، در خصوص
تذکره وزارت آموزش عالی، شماره 107/2015/2-2، مورخ 23 شهریور 1394، در خصوص

23 شهریور 1394

شماره: 107/2015/2-2

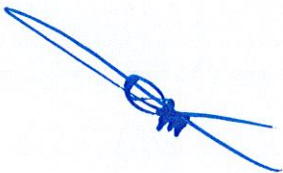


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22 ئۆكتەبەر 2015 يىلى قىزىل ئۆستەن ئۆلكىسى 2-قۇرۇلتىيىسى
 1-چاقىرىمىنىڭ 1-قېتىملىق يىغىنىنىڭ 1-قېتىملىق يىغىنىدا،
 1-قېتىملىق يىغىننىڭ 1-قېتىملىق يىغىنىدا، 1-قېتىملىق يىغىننىڭ
 1-قېتىملىق يىغىنىدا، 1-قېتىملىق يىغىننىڭ 1-قېتىملىق يىغىنىدا،
 1-قېتىملىق يىغىننىڭ 1-قېتىملىق يىغىنىدا، 1-قېتىملىق يىغىننىڭ

[illegible][illegible]

4. $\frac{1}{2} \log 2$ سرسرد و سر:

[illegible]

תַּחֲבוּלָהּ מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ
וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ

וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ
וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ

וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ
וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ

23 תשרי 2015



וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ וְהִיא מִתְּשֻׁבָּהּ



$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

مَدْرَسَةُ مَدْرَسَةِ مَدْرَسَةِ

[illegible]

(۴) گنجینه‌ساز، ابراهیم سرور، سرور، برادران سرور، سرور، سرور

2. ج گئی ستر ستر دنی بسکرے، اس ستر سترے، اس ستر سترے، بسو ستر سترے۔

وَأَنزَلْنَا إِلَيْكَ الْكِتَابَ فِي تِلْكَ الْأَيَّامِ الَّتِي اتَّخَذْتَهُنَّ لِسَيِّدِكُمُ الْيَوْمَ ذِئْبًا وَبَنَاتٍ تُرْمَوْنَ مِنَ الْمَسَارِ

[illegible]

(۴) $\frac{1}{x^2} = x^{-2}$ $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$
 $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
 $\frac{d}{dx} \frac{1}{x^3} = -\frac{3}{x^4}$
 $\frac{d}{dx} \frac{1}{x^4} = -\frac{4}{x^5}$
 $\frac{d}{dx} \frac{1}{x^5} = -\frac{5}{x^6}$

(۳) $\frac{1}{x^2} = x^{-2}$ $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$
 $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
 $\frac{d}{dx} \frac{1}{x^3} = -\frac{3}{x^4}$
 $\frac{d}{dx} \frac{1}{x^4} = -\frac{4}{x^5}$
 $\frac{d}{dx} \frac{1}{x^5} = -\frac{5}{x^6}$

(عبر) ارجى من قسرك برادى لاجل دكك تخرىم، كوكو رجب من قسرك و كوكو رجب
تخرىم، كوكو رجب من قسرك كوكو رجب من قسرك كوكو رجب من قسرك

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10. (ب) $\frac{1}{x^2} = x^{-2}$ $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$

[illegible][illegible]

(ج) ۱۔ 10,000/-

2۔ 100,000/-

3۔

[illegible]

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Deleted: (ـ) دَمر

1000 : Deleted

8000 : Deleted

[illegible]

(۱۰) اَللّٰهُمَّ صَلِّ وَسَلِّمْ عَلٰى مُحَمَّدٍ وَعَلٰى اٰلِ مُحَمَّدٍ
 وَتَقَرَّبْ مِنْ اَبْنِ مُحَمَّدٍ وَتَقَرَّبْ مِنْ اَبْنِ مُحَمَّدٍ
 وَتَقَرَّبْ مِنْ اَبْنِ مُحَمَّدٍ وَتَقَرَّبْ مِنْ اَبْنِ مُحَمَّدٍ
 وَتَقَرَّبْ مِنْ اَبْنِ مُحَمَّدٍ وَتَقَرَّبْ مِنْ اَبْنِ مُحَمَّدٍ
 وَتَقَرَّبْ مِنْ اَبْنِ مُحَمَّدٍ وَتَقَرَّبْ مِنْ اَبْنِ مُحَمَّدٍ
 وَتَقَرَّبْ مِنْ اَبْنِ مُحَمَّدٍ وَتَقَرَّبْ مِنْ اَبْنِ مُحَمَّدٍ

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هذه القائمة تحتوي على المواد التي تم حذفها من قائمة المواد التي تدمر الأوزون، وذلك وفقًا للمادة 2 من بروتوكول مونتريال، والتي تم تعديلها في 28 يونيو 2010.

Substance	Substance	Ozone-Depleting Potential*
CFCl ₃	(CFC-11)	1.0
CF ₂ Cl ₂	(CFC-12)	1.0
C ₂ F ₃ Cl ₃	(CFC-113)	0.8
C ₂ F ₄ Cl ₂	(CFC-114)	1.0
C ₂ F ₅ Cl	(CFC-115)	0.6
CF ₃ BrCl	(halon-1211)	3.0
CF ₃ Br	(halon-1301)	10.0
C ₂ F ₄ Br ₂	(halon-2402)	6.0
CF ₃ Cl	(CFC-13)	1.0
C ₂ FCl ₅	(CFC-111)	1.0
C ₂ F ₂ Cl ₄	(CFC-112)	1.0
C ₃ FCl ₇	(CFC-211)	1.0
C ₃ F ₂ Cl ₆	(CFC-212)	1.0
C ₃ F ₃ Cl ₅	(CFC-213)	1.0
C ₃ F ₄ Cl ₄	(CFC-214)	1.0
C ₃ F ₅ Cl ₃	(CFC-215)	1.0
C ₃ F ₆ Cl ₂	(CFC-216)	1.0
C ₃ F ₇ Cl	(CFC-217)	1.0
CCl ₄	carbon tetrachloride	1.1
C ₂ H ₃ Cl ₃ *	1,1,1-trichloroethane* (methyl chloroform)	0.1
CF ₂ BrCl	Halon-1211	3.0
CF ₃ Br	Halon-1301	10.0
C ₂ F ₄ Br ₂	Halon-2402	6.0
CH ₂ BrCl	Bromochloromethane	0.12
CH ₃ Br	Methyl bromide	0.6

Ozone-Depleting Potential :Deleted
Substance :Deleted
Substance :Deleted
Deleted: 1.0
Deleted: (CFC-11)
Deleted: CFCl ₃
Deleted: 1.0
Deleted: (CFC-12)
Deleted: CF ₂ Cl ₂
Deleted: 0.8
Deleted: (CFC-113)
Deleted: C ₂ F ₃ Cl ₃
Deleted: 1.0
Deleted: (CFC-114)
Deleted: C ₂ F ₄ Cl ₂
Deleted: 0.6
Deleted: (CFC-115)
Deleted: C ₂ F ₅ Cl
Deleted: 3.0
Deleted: (halon-1211)
Deleted: CF ₃ BrCl
Deleted: 10.0
Deleted: (halon-1301)
Deleted: CF ₃ Br
Deleted: 6.0
Deleted: (halon-2402)
Deleted: C ₂ F ₄ Br ₂
Deleted: 1.0
Deleted: (CFC-13)
Deleted: CF ₃ Cl
Deleted: 1.0
Deleted: (CFC-111)
Deleted: C ₂ FCl ₅
Deleted: 1.0
Deleted: (CFC-112)
Deleted: C ₂ F ₂ Cl ₄
Deleted: 1.0
Deleted: (CFC-211)
Deleted: C ₃ FCl ₇
Deleted: 1.0
Deleted: (CFC-212)
Deleted: C ₃ F ₂ Cl ₆
Deleted: 1.0
Deleted: (CFC-213)
Deleted: C ₃ F ₃ Cl ₅
Deleted: 1.0
Deleted: (CFC-214)
Deleted: C ₃ F ₄ Cl ₄
Deleted: 1.0
Deleted: (CFC-215)
Deleted: C ₃ F ₅ Cl ₃
Deleted: 1.0
Deleted: (CFC-216)
Deleted: C ₃ F ₆ Cl ₂
Deleted: 1.0
Deleted: (CFC-217)
Deleted: C ₃ F ₇ Cl
1.1 :Deleted
carbon tetrachloride :Deleted
Deleted: CCl ₄
0.1 :Deleted

جدول 2

جدول 2: عوامل تخریب اوزون و ضرایب تبدیل برای گازهای مختلف در سیستم‌های تهویه مطبوع

Substance	ASHRAE Code	Chemical name	Chemical formula	Ozone Depleting Potential
HCFC-21	R-21	Dichlorofluoromethane	CHCl_2	0.04
HCFC-22	R-22	Monochlorodifluoromethane	CHF_2Cl	0.055
HCFC-31	R-31	Monochlorofluoromethane	CH_2FCl	0.02
HCFC-121	R-121	Tetrachlorofluoroethane	C_2HCl_4	0.01-0.04
HCFC-122	R-122	Trichlorodifluoroethane	$\text{C}_2\text{HF}_2\text{Cl}_3$	0.02-0.08
HCFC-123	R-123	Dichlorotrifluoroethane	$\text{C}_2\text{HF}_3\text{Cl}_2$	0.02-0.06
HCFC-124	R-124	Monochlorotetrafluoroethane	$\text{C}_2\text{HF}_4\text{Cl}$	0.02-0.04
HCFC-131	R-131	Trichlorofluoroethane	$\text{C}_2\text{H}_2\text{FCl}_3$	0.007-0.05
HCFC-132	R-132	Dichlorodifluoroethane	$\text{C}_2\text{H}_2\text{F}_2\text{Cl}_2$	0.008-0.05
HCFC-133	R-133	Chlorotrifluoroethane	$\text{C}_2\text{H}_2\text{F}_3\text{Cl}$	0.02-0.06
HCFC-141	R-141	Dichlorofluoroethane	$\text{C}_2\text{H}_3\text{FCl}_2$	0.005-0.07
HCFC-141b	R-141b	Dichlorofluoroethane	CH_3CFCl_2	0.11
HCFC-142	R-142	Chlorodifluoroethane	$\text{C}_2\text{H}_3\text{F}_2\text{Cl}$	0.008-0.07
HCFC-142b	R-142b	Chlorodifluoroethane	$\text{CH}_3\text{CF}_2\text{Cl}$	0.065
HCFC-151	R-151	Chlorofluoroethane	$\text{C}_2\text{H}_4\text{FCl}$	0.003-0.005
HCFC-221	R-221	Hexachlorofluoropropane	C_3HFCl_6	0.015-0.07
HCFC-222	R-222	Pentachlorodifluoropropane	$\text{C}_3\text{HF}_2\text{Cl}_5$	0.01-0.09
HCFC-223	R-223	Tetrachlorotrifluoropropane	$\text{C}_3\text{HF}_3\text{Cl}_4$	0.01-0.08
HCFC-224	R-224	Trichlorotetrafluoropropane	$\text{C}_3\text{HF}_4\text{Cl}_3$	0.01-0.09
HCFC-225	R-225	Dichloropentafluoropropane	$\text{C}_3\text{HF}_5\text{Cl}_2$	0.02-0.07
HCFC-225ca	R-225ca	Dichloropentafluoropropane	$\text{CF}_3\text{CF}_2\text{CHCl}_2$	0.025
HCFC-225cb	R-225cb	Dichloropentafluoropropane	$\text{CF}_2\text{ClCF}_2\text{CH}_2\text{Cl}$	0.033
HCFC-226	R-226	Monochlorohexafluoropropane	$\text{C}_3\text{HF}_6\text{Cl}$	0.02-0.10
HCFC-231	R-231	Pentachlorofluoropropane	$\text{C}_3\text{H}_2\text{FCl}_5$	0.05-0.09
HCFC-232	R-232	Tetrachlorodifluoropropane	$\text{C}_3\text{H}_2\text{F}_2\text{Cl}_4$	0.008-0.10
HCFC-233	R-233	Trichlorotrifluoropropane	$\text{C}_3\text{H}_2\text{F}_3\text{Cl}_3$	0.007-0.23
HCFC-234	R-234	Dichlorotetrafluoropropane	$\text{C}_3\text{H}_2\text{F}_4\text{Cl}_2$	0.01-0.28
HCFC-235	R-235	Monochloropentafluoropropane	$\text{C}_3\text{H}_2\text{F}_5\text{Cl}$	0.03-0.52
HCFC-241	R-241	Tetrachlorofluoropropane	$\text{C}_3\text{H}_3\text{FCl}_4$	0.004-0.09
HCFC-242	R-242	Trichlorodifluoropropane	$\text{C}_3\text{H}_3\text{F}_2\text{Cl}_3$	0.005-0.13
HCFC-243	R-243	Dichlorotrifluoropropane	$\text{C}_3\text{H}_3\text{F}_3\text{Cl}_2$	0.007-0.12
HCFC-244	R-244	Monochlorotetrafluoropropane	$\text{C}_3\text{H}_3\text{F}_4\text{Cl}$	0.009-0.14
HCFC-251	R-251	Monochlorotetrafluoropropane	$\text{C}_3\text{H}_4\text{FCl}_3$	0.001-0.01
HCFC-252	R-252	Dichlorodifluoropropane	$\text{C}_3\text{H}_4\text{F}_2\text{Cl}_2$	0.005-0.04
HCFC-253	R-253	Monochlorotrifluoropropane	$\text{C}_3\text{H}_4\text{F}_3\text{Cl}$	0.003-0.03
HCFC-261	R-261	Dichlorofluoropropane	$\text{C}_3\text{H}_5\text{FCl}_2$	0.002-0.02
HCFC-262	R-262	Monochlorodifluoropropane	$\text{C}_3\text{H}_5\text{F}_2\text{Cl}$	0.002-0.02
HCFC-271	R-271	Monochlorofluoropropane	$\text{C}_3\text{H}_6\text{FCl}$	0.001-0.03

ASHRAE number	Components	Percentage composition	ODP	GWP (100_yr)
R-401A	R-22/152a/124	53.0/13.0/34.0	0.033	1200
R-401B	R-22/152a/124	61.0/11.0/28.0	0.036	1300
R-401C	R-22/152a/124	33.0/15.0/52.0	0.027	930
R-402A	R-125/290/22	60.0/2.0/38.0	0.019	2800
R-402B	R-125/290/22	38.0/2.0/60.0	0.030	2400
R-403A	R-290/22/218	5.0/75.0/20.0	0.038	3100
R-403B	R-290/22/218	5.0/56.0/39.0	0.028	4500
R-405A	R-22/152a/142b/C318	45.0/7.0/5.5/42.5	0.026	5300
R-406A	R-22/600a/142b	55.0/4.0/41.0	0.056	1900
R-408A	R-125/143a/22	7.0/46.0/47.0	0.024	3200
R-409A	R-22/124/142b	60.0/25.0/15.0	0.046	1600
R-409B	R-22/124/142b	65.0/25.0/10.0	0.045	1600
R-411A	R-1270/22/152a	1.5/87.5/11.0	0.044	1600
R-411B	R-1270/22/152a	3.0/94.0/3.0	0.047	1700
	R-1270/22/152a	3.0/95.5/1.5	0.032	1600
R-412A	R-22/218/142b	70.0/5.0/25.0	0.053	2300
R-414A	R-22/124/600a/142b	51.0/28.5/4.0/16.5	0.043	1500
R-414B	R-22/124/600a/142b	50.0/39.0/1.5/9.5	0.039	1400
R-415A	R-22/152a	82.0/18.0	0.041	1500
R-415B	R-22/152a	25.0/75.0	0.013	550
	R-22/152a	52.0/48.0	0.018	940
	R-22/152a	60.0/40.0	0.020	1100
R-416A	R-134a/124/600	59.0/39.5/1.5	0.008	1100
R-418A	R-290/22/152a	1.5/96.0/2.5	0.048	1700
R-420A	R-134a/142b	88.0/12.0	0.008	1500
R-501	R-22/12	75.0/25.0	NA	NA
R-502	R-22/115	48.8/51.2	0.250	4700
R-505	R-12/31	78.0/22.0	NA	NA
R-506	R-31/114	55.1/44.9	NA	NA
R-509A	R-22/218	44.0/56.0	0.022	5700

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

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مەبلەغىنىڭ چىقىرىشى	يىلى	ۋەزىرەت خەۋەرلىرىگە ئاساسەن چىقىرىش (مىليارد يۈەن)
20% مەبلەغىنىڭ چىقىرىشى	2015	53.6
35% مەبلەغىنىڭ چىقىرىشى	2016	43.55
67.5% مەبلەغىنىڭ چىقىرىشى	2018	22
100% مەبلەغىنىڭ چىقىرىشى	2020	1.68
2.5% سەۋەبى ئۈچۈن چىقىرىش	2025 - 2020	1.68

