

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, July 2020	
Course/ Program: M.Tech (HSE+DM)	Semester : II
Course Code: HSFS7009	Time : 03 hrs.
Subject: Fundamental of Sustainable Development	Max. Marks: 100
No. of page/s:4	

Sl no	Question	Option-1	Option-2	Option-3	Option-4
1	Brundtland report described sustainability as three-legged stool with _____, _____ and _____ taking equal importance in the equation.	people, planet, profit	people, economy, profit	people, planet, society	people, economy, society
2	Which of these is not one of three countries that supply the vast majority of EU gas imports	Russia	Italy	Algeria	Norway
3	In recent years the world's food production has increased by ___ per cent, outpacing the rate of population growth.	10	15	24	30
4	A lack of basic needs results in _____ and _____.	physical weakness, poor health	physical weakness, mental toughness	physical wellness, poor lifestyle	None of the above
5	Sustainable development is about _____ which recognises the needs of everyone.	employment	social progress	environmental progress	prudent use

6	Sustainable development is about _____ being at the centre of everything we do.	employment	social progress	environmental progress	prudent use
7	Sustainable development is about _____ and economic security for everyone.	employment	social progress	environmental progress	prudent use
8	Critical objectives for environment and development policies that follow from the concept of sustainable development include:	Reviving growth	Changing the quality of growth	Conserving and enhancing the resource base	All of the above
9	An ___ system that is able to generate surplus and technical knowledge on a self-reliant and sustainable basis.	economic	social	production	political
10	Three dimensions of performance incorporated by TBL doesn't include	social	environmental	human health	financial
11	Which of these is not covered under health and safety issues in reporting on sustainability	product health, safety and environmental risks	process safety and asset integrity	labor practices	None of the above
12	_____ is a network based organization that has created one of the most credible sustainability reporting frameworks.	TBL	GRI	CSR	CDM
13	The ___ dimensions are also commonly called the three Ps:	TBL	GRI	CSR	CDM

	peoples, planet and profits				
14	The guidelines released by GOI on sustainable reporting include	ethics, transparency and accountability	well being of employees	respect and promote human rights	All of the above
15	Naitonal Action Plan on climate change was established in _____	june, 2008	june, 2007	june, 2006	july, 2007
16	Sustainability report is sure to find information on	sustainability issues, challenges, dilemmas and opportunities	regulatory environment and fact based information	information of interest to investors such as materiality of issues in financial terms, vision and strategy statements, goals and targets, etc.	All of the above
17	Complying with CDM 2015 will help you insure	no-one is harmed during the work	your building is safe to use	both A and B	None of the above
18	Your project will only run efficiently if everyone involved in the work _____, _____ and _____ with each other	communicates, cooperates, coordinates	communicates, credits, coordinates	motivates, cooperates, coordinates	None of the above
19	As a client you have to confirm the competence of the proposed appointees:	Principal designer	Designer	Contractor	All of the above
20	_____ organisations or individuals for whom a construction project is carried out that is done as a part of business.	commercial clients	domestic clients	designers	principal contractors
21	Organisations or individuals who as part of a business, prepare or modify designs for a building, product or	commercial clients	domestic clients	designers	principal contractors

	system relating to construction work.				
22	Industrialised Nations could submit their CERs to meet their targets in _____	2009-2013	2008-2012	2010-2014	2007-2011
23	_____ is a measure of emissions that would have occurred in absence of project	baseline	CER	CDM	None of these
24	Small scale CDM projects does not includes	Home biogas	Efficient woodstoves	Mini grid renewable energy	Dam construction
25	Choosing a host country, the investor wants	Clear CDM policy	Secure investor climate	Sound Techno-Economic potential	All of these
26	Generation of GHGs has resulted in progressive	Melting of ice in antarctica	Global Warming	lava exlosions	Polar bear extinction
27	Eligibility criteria of CDM does not include	Social well being	Economic well being	Technological well being	Democratical well being
28	GHG emission in India is __% of the world	4	5	3	6
29	Main source of Nox emission does not include	Biomass Burning	Agriculture sector	Fossil fuel burning	None of these
30	Energy source is main CO2 emitter accounting for __% of CO2 emissions	75	87	91	65
31	The carbon trade originated with the _____ Kyoto Protocol	1998	1997	1996	1999
32	The carbon trade intended to reduce	4	5	6	7

	overall carbon dioxide emission to __%				
33	Fuel switching means	Biofuels replace fossil fuels	Biofuels replace renewable energy	Fossil Fuels replace Biofuels	All of these
34	Bioethanol can be obtained as biofuel from	fermentation	corn	grass	All of these
35	_____ is the use of living and recently dead biological material as an energy source	Biomass energy	wind energy	Geothermal energy	solar energy
36	India can capture __% of global CDM market	14	5	10	15
37	Kyoto Protocol drafted at Kyoto, in _____ to combat global climate change .	1991	1992	1969	1995
38	Annual revenue estimated range from US\$ ___ to ___ due to CDM project.	10 million to 330 million	10 billion to 330 billion	15 million to 450 million	None of the above
39	General Guidelines on Principles, Systems and Supporting Techniques Comes under standard.....	ISO 1400	ISO 14010	ISO 14004	ISO 14011
40contains only those requirements that may be objectively audited for certification/registration purposes and/ or self-declaration purposes.	ISO14001	ISO 14011	ISO 14010	ISO 14004
41	A mechanism by which Industrialized Nations can achieve part of their reduction obligations through projects that	Clean Development Mechanism	Central Emission Reduction	clean development machinery	none of these

	reduce or fix/sequester carbon in Developing Countries.				
42	Govt and companies want to reduce GHG emissions by	investing in their country	investing in projects in developed companies	both	none of these
43	Types of CDM Projects	Methane reduction	Sequestration/sinks	Agriculture	All of these
44is a measure of emissions that would have occurred in absence of project	The baseline	the bioline	the greenline	none of these
45	20 MW renewable energy and 20GWh energy efficiency is an example of	small scale projects	medium scale projects	large scale projects	none of these
46	Small Scale CDM Projects include	Home biogas	Mini grid renewable energy	both	none of these
47	CER Purchase Agreement include	Company buys CERs as they are produced	Company sells CERs as they are produced	both	none of these
48	Kyoto protocol came into force when __% of the global CO2 emissions are covered by kyoto retifying countries.	50	55	45	40
49	Kyoto protocol came in effect on _____, 2005 after retification by Russia	5-Feb	6-Feb	6-Jan	None of the above
50	REDD stands for	reducing emissions from deforestation and forest degradation	reducing emissons from deforestation and drought	reducing effect from deforestation and degradation	None of the above

51	___% anthropogenic emissions come from forest destruction	15	18	25	10
52	OECD stands for	Organization for Economic Cooperation and Development	Organization for Ergonomic Cooperation and Development	Organization for Economic corporation and Development	None of the above
53	Which of these is not a greenhouse gas	CO2	CO	N2O	SF6
54	Three primary mechanism of Kyoto protocol doesn't involve	emissions trading	joint implementation	country wise propaganda	clean development mechanism
55	Those countries who have signed and retified the kyoto protocol are represented by the colour in kyoto world map	brown	blue	grey	green
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57	ETS stands for	Emissions Trading System	Emissions Trivial System	Emissions Trading Society	None of the above
58	Which of these is not mentioned in UNFCCC 1992 regarding climate change	CO2 emissions are warming the planet	requires precise and regularly updated inventories of GHG emissions from industrialized countries	prevent anthropogenic interferences with the climate system	shutting down industries all over the world
59	Which of these does not contribute to increased CO2 emissions	burning of fossil fuels	deforestation	industrial processes	over population
60	Kyoto protocol is a protocol to the	climate change	global warming	animal extinction	child education

	UNFCCC aimed at fighting _____				
61	Which of following is a greenhouse gas	carbon dioxide	methane	nitrous oxide	All of the above
62	Which country shows maximum emissions of GHG in the world	USA	India	China	Indonesia
63	Modern concept of sustainable development focuses more on	economic development	social development	environmental protection	All of the above
64	The United nations Conference on Sustainable Development (UNCSD) is also known as	Rio 2010	Rio 2011	Rio 2012	Rio 2013
65	Sustainable development can be thought of in tems of three spheres i.e.	environment, economy and society	environment, economy and equity	environment, ecology and society	environment, economy and ecology
66	United Nations decade of education for sustainable development is from	2002-11	2003-12	2004-13	2005-14
67	A promising direction towards sustainable development is to design systems that are	flexible and irreversible	flexible and reversible	inflexible and reversible	inflexible and irreversible
68	Following are the elements of sustainable agriculture	permaculture	agroforestry	mixed farming	All of the above
69	Four domains of circles of sustainability, used by the United Nations	economic, ecological, political and cultural	economic, social, political and cultural	economic, ecological, social and cultural	economic, ecological, political and social
70	The technology which meets the sustainable	advanced technology	appropriate technology	sustainable technology	adaptive technology

	development need is often referred to as				
71	When the consumption of natural resources are equal to nature's ability to replenish than sustainability is	not sustainable	steady state economy	environmentally sustainable	None of the above
72	The Sustainable Development Goals recognize that all countries must stimulate action in the following key areas	people, planet, prosperity, peace and partnership	people, planet, prosperity, plants and planning	people, planet, prosperity, plants and partnership	people, planet, prosperity, peace and planning
73	The criteria for corporate sustainability	eco-friendly	socio-efficiency	both A and B	None of the above
74	Number of sustainable Development Goals by United Nations are	15	16	17	18
75	Sustainability science is the study of the concepts of sustainable development and ____	environmental science	general science	social science	geo science
76	As per United Nations, following are the broader issues of human development	education	public health	standard of living	All of the above
77	The United Nations commission on Sustainable Development (CSD) was started by the UN General Assembly in the year	1995	1994	1993	1992
78	The term 'Sustainable development' came into existence in	1987	1980	1978	1992

79	Which of the following UN commission is responsible for reviewing progress in the implementation of Agenda 21 and the Rio Declaration on Environment and Development	United Nation Disarmament Commission	United Nations Statistical Commission	United nations Commission on Sustainable Development (CSD)	United Nations Commission on Human Right
80	Which of the following is not included in the parameters of sustainable development	carrying capacity	inter abd Intra-generation equity	gender disparity and diversity	None of the above
81	Parameters of sustainable development includes	economic	ecological	technological	All of the above
82	Which of these does not come under the category of what to be sustained but to be developed	Biodiversity	Cultures	resources	wealth
83	Which of these is not a basic function of indicators	simplification	quantification	communication	amplification
84	Which of these is not an example of an indicator	speedometer	thermometer	odometer	tv remote
85	CSD indicator themes does not include	poverty	education	industries	atmosphere
86	Which is not one of four categories of availablilty used to classify CSD indicators	fully available	potentially available	related data available	scarcially available
87	Which of these is not one the categories CSD indicator can be placed in	relevant	related indicator relevant	relevant but not missing	irrelevant

88	The first set of CSD indicators was developed in ____ by DSD and the Statistics Division of UN Department of Economic and Social Affairs.	1995	1996	1997	1998
89	Which of these does not come under the category of what to be developed but to be sustained	Child survival	education	environment	wealth
90	What was the main Goal of the Millennium Development Goals (MDGs)?	Provide Education for All	End all forms of poverty	Sustainable Development	Economic Development
91	What are the main characteristics of the 2030 Agenda for Sustainable Development provided by Mr. Ban Ki-moon?	Universal, Climate Action and transformative	Special, Development and National	Universal, Integrated and transformative	People, Planet and Partnerships
92	The SDGs are remarkable due to their _____ and _____ nature. Compared to the MDGs, they involve more sections of society and areas of life.	Special/international	Developmental/global	Complexity/Comprehensive	Simple/domestic
93	The 2030 Sustainable Development Agenda was created on the _____ of the MDGs.	Ineffectiveness	Failure	Foundation	Success
94	Which two nations were a big factor in proving the success of the MDGs?	China/Brazil	Russia/India	Brazil/India	China/India

95	The transition from MDGs to SDGs shows that the goals have changed so that no one is “_____.”	Failing to End Poverty	Included	Left Alone	Left Behind
96	The 2030 Agenda compels us to look beyond _____ boundaries and short-term interests and act in solidarity for the long-term.	International	Regional	Economic	National
97	What are the two important documents for including climate change in the SDGs?	Rio+20/Doha Declaration	United Nations Forum on SD/Treaty on Climate Change	Kyoto Protocol/Paris Agreements	Earth Summit/Addis Ababa Declaration
98	What are the two major conferences after the United Nations Conference in Rio?	Monterrey Consensus/Doha Declaration	Addis Ababa Forum/Kyoto Protocol	San Francisco Treaty/Treaty of Versailles	Rio+20/Paris Agreement
99	What was the first role of the United Nations in the 2030 Agenda for Sustainable Development?	Working with LDCs for development	Conceptualization of the Goals	Negotiating with the United Nations member states	Advertising Sustainable Development
100	Critical objectives for environment and development policies that follow from the concept of sustainable development include:	Reviving growth	Changing the quality of growth	Conserving and enhancing the resource base	All of the above