Solid Waste Management Question Bank-KT-CBCGS-H (Sem-VII)				
Q	1	Municipal solid waste includes		
		a) residential, institutional and commercial waste.		
		b) institutional, industrial and commercial waste.		
		c) construction and demolition, biomedical, industrial waste.		
		d) E-waste, biomedical and residential waste.		
Q	2	Waste produced from kitchens are		
		a) biodegradable.		
		b) non-biodegradable.		
		c) inert.		
		d) combustible.		
Q	3	What to do with plastic wastes?		
		a) Composting		
		b) Recycling		
		c) Disposal in dump yard		
		d) Underground storage		
Q	4	What is the most preferred option in integrated solid waste management?		
		a) Reduce		
		b) Reuse		
		c) Recycle		
		d) Disposal		
Q	5	What is the full form of ISWM?		
		a. Innovative solid waste management		
		b. International solid waste management		
		c. Integrated solid waste management		
		d. Institutional solid waste management		
Q	6	Which of the following is a bio-degradable waste?		
		a. Plastic bags		
		b. Glass		
		c. Medical gloves		
		d. Food waste		
Q	7	Which of the following is a hazardous waste?		
		a. Paper		
		b. Plastic		
		c. Food waste		
		d. Pesticides		
Q	8	Which of the following can be recycled many times?		
		a. Yard waste		
		b. Food waste		
		c. Mix organic residue		
		d. Aluminum		
Q	9	What is the correct order of waste management system?		
		a) Reduce-Reuse-Recycle-Disposal		
		b) Reduce -Recycle-Disposal-Reuse		
		c) Disposal-Reuse -Reduce –Recycle		
		d) Reuse-Recycle-Disposal- Reduce		
Q	10	How many elements are there in an integrated solid waste management system?		
		a. 4		

		b. 5		
		c. 6		
		d. 3		
Q	11	How much quantity of waste India generates daily ?		
		a) 200000 T/day		
		b) 150000 T/day		
		c) 100000 T/day		
		d) 50000 T/day		
Q	12	How much waste Mumbai generates daily?		
		10000 T/day		
		5000 T/day		
		7000 T/day		
		15000 T/day		
Q	13	Which of the following is not bulky waste?		
		a) Refrigerator		
		b) Large auto-parts		
		c) Furniture		
		d) Food waste		
Q	14	What is the standard pH range of solid waste		
		a) 7-8		
		b) 5-6		
		c) 8-10		
		d) 6.5-8.5		
Q	15	At what temperature we measure moisture content of waste?		
		a) 100°C		
		b) 105°C		
		c) 110°C		
		d) 200°C		
Q	16	Which of the following is impact of solid waste on environment?		
		a) Ground water contamination		
		b) Bad odour and air pollution		
		c) Diseases spread (Epidemic condition)		
		d) All the above		
Q	17	Which of the following is not source based classification of waste?		
		a) Domestic waste		
		b) Institutional waste		
		c) Commercial waste		
		d) Hazardous waste		
Q	18	Which of the following is not a method of disposal of solid waste?		
		a) Incineration		
		b) Composting		
		c) Landfill		
		d) Compaction		
Q	19	Which of the following is putrescible waste?		
		a) Food waste		
		b) Paper waste		
		c) Bio-medical waste		
		d) Metal waste		
Q	20	The rate at which the waste is collected from a collection is called as_____		

		a) Collection rate		
		b) Collection Frequency		
		c) Collection point		
		d) Collection speed		
Q	21	Which of the following is not a property of waste storage container?		
		a) Durability		
		b) Corrosion resistance		
		c) Easy to handle and compatibility		
		d) Should have sharp edges		
Q	22	When the collection crew size increases?		
		a) More collection frequency		
		b) Less collection frequency		
		c) Updated technology		
		d) None of these		
Q	23	What is the correct operation sequence in hauled container system?		
		a) Collect empty container-Haul to disposal site-Empty it-Place it back to original position.		
		b) Collect filled container-Haul to disposal site-Empty it-Place it back to original position.		
		c) Collect filled container-Empty it -Haul to disposal site -Place it back to original position.		
		d) None of these		
Q	24	Which of the following waste will not reflect in waste quantum?		
		a) Food waste		
		b) Paper waste		
		c) News papers		
		d) Packaging waste		
Q	25	Which of the following is not a type of waste collection vehicle?		
		a) Small Scale Collection And Muscle Powered Vehicles		
		b) Small car		
		c) Non Compactor Trucks		
		d) Compactor Trucks		
Q	26	Small Scale Collection And Muscle Powered Vehicles are suitable for?		
		a) Rural region		
		b) Urban region		
		c) Metropolitan		
		d) None of these		
Q	27	In less congested areas what is the length of road given to sweepers to clean?		
		a) 200-300 m		
		b) 250-350 m		
		c) 500-700 m		
		d) 400-600 m		
Q	28	Which of the following waste is mostly collected by rag pickers?		
		a) Paper waste		
		b) Cardboard waste		
		c) Plastic waste		
		d) Metal waste		
Q	29	What is the % value of organic waste in waste composition?		
		a) 60-70 %		
		b) 45-50 %		
		c) 35-40%		
		d) 10-20%		

Q	30	Which material is best for manufacturing of communal container?		
		a) Any plastic		
		b) Aluminum		
		c) HDPE		
		d) LDPE		
Q	31	Transfer station is installed, if travel distance is more than ____ Km		
		a) 15 km		
		b) 20km		
		c) 50km		
		d) 35 km		
Q	32	Select the item that should NOT be placed in a compost container.		
		a) Potato's		
		b) Lemons		
		c) Tomato skins		
		d) Fish skin and bones		
Q	33	What should be the standard pH range for composting?		
		a) 5.5-8.5		
		b) 3-5		
		c) 8-10		
		d) 6.5 to 7.5		
Q	34	Which of the following is not a factor that affects composting?		
		a) Temperature		
		b) Particle size		
		c) Air circulation		
		d) Colour		
Q	35	Why aeration is required in composting process?		
		a) To reduce temperature		
		b) To maintain aerobic activity		
		c) To increase the rate of decomposition		
		d) All the above		
Q	36	Which of the following waste can be decomposed by bacteria?		
		a) Radioactive substance		
		b) Ashes		
		c) Food waste		
		d) Rubbish		
Q	37	Which of the following is a biological method of disposal of municipal solid waste?		
		a) Land fills		
		b) Shredding		
		c) Pulverization (crushing and grinding)		
		d) Composting		
Q	38	What is the purpose of compost sieving?		
		a) Separate impurities		
		b) Reduces the size of all compost particles		
		c) Turn compost into gold		
		d) All the above		
Q	39	What is vermicomposting?		
		a) Composting using rats		
		b) Composting using birds		
		c) Composting using worms		

		d) All the above
Q	40	Which type of waste suitable for landfilling?
		a) Garden waste
		b) Food waste
		c) Dry recyclables
		d) Non-recyclables
Q	41	Which of the following is important landfill gas?
		a) Methane
		b) Carbon dioxide
		c) Oxygen
		d) Hydrogen
Q	42	Which of the following is the Second lightest metal?
		a. Lithium
		b. Beryllium
		c. Aluminum
		d. None of the above

Calculate the unit energy content of solid waste sample for the composition given below.

Component	% by mass	Energy KJ/kg
Paper	40	18050
Cardboard	12	16000
Plastics	12	15000
Good wastes	16	4500
Garden wastes	8	5000
Wood	6	20000
Tin cans	6	300

Q	43	
Q	44	Numericals on energy content and moisture content