INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR Mid-Autumn Semester Examination 2022-23

Date of Ex	samination: Session (FN/AN): _ Duration: 2 hrs Fu	ll Mar ks : <u>30</u>
Subject No.: HS31201 Subject: PUBLIC FINANCE		
Departme	ent/Center/School: HUMANITIES & SOCIAL SCIENCES	
Specific cl	harts, graph paper, log book etc., required: None	
Special In	nstructions (if any): None	
	Section 1 (answer on 5)	(3×5)
	Section 1 (answer any 5)	(3 × 3)
Aron	at are the types of efficiencies to ensure Pareto Optimality? ue, with example, about government intervention in the presence of external	lities.
13. How	does ordinary and compensated demand curves differ from each other? Di a graphical illustration.	scuss intuitively
4. Com	npare Utilitarian and Rawlsian philosophies of welfare?	,
5 Wha 6. Supp	at are merit goods? Discuss with an example. pose the Government has gathered the following information about two individuals are willingness to pay for a public good. D1=400-x depicts the maximum willingness.	illingness-to-pay
goo	ection for individual 1 and D2=100-2x for individual 2 (where x is the quantity of the public good to be provided if the producing the public good is 350/150/500?	he marginal cost
	Section 2 (answer all)	
2. Co P=	ate five sources of market failure with an example for each. onsider a chemical manufacturing firm. The demand function that it fa =90-Q where Q is in million tons per year. The marginal cost funct IPC=10+Q. The firm emits 1 unit of pollutant per ton of chemical productions.	ion is given by uced. However,
) to	the output is up to 10 million tons a year, there is no external cost. ons a year, the marginal external cost is positive. Government imposes per ton of output) to ensure efficient production of the chemical. Find output	an emission fee, out emission fee,
Ğ	overnment's total earning from the emission fee and the dead-weight femission fee.	loss in absence (3)
3. Co	onsider the example of a two person two goods exchange economy.	
($u_1 = x_{11}.x_{12}; \ \omega_1 = (1,0)$	
	$u_2 = 2x_{21} + x_{22}$; $\omega_2 = (0,1)$	
W	/hat will be the Walrasian equilibrium allocations and relative price? I	Now, the planne
W	vants to implement transfers (T1,T2) such that an equilibrium endows	
(0	0.75, 0.5) can be achieved. What will be the values of (T1, T2)?	(3+2)
	Discuss very briefly any two methods of rationing publicly provided go	
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