The West Bengal University of Health Sciences M.D. (Radiotherapy) March-April, 2020 Examination

Paper: IV	e e e e e e e e e e e e e e e e e e e	Full Marks: 100
		Time : 2 Hours

Answer all questions

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1.	A 20 year old female attending with the history of unilateral salpingo			
	oophorectomy for an ovarian mass and histopathology report of germ cell tumor			
	How do you investigate to come at a final diagnosis and further manage the			
	case?			
2.	. Define brachytherpy. What are the different forms of brachytherpy? What is the			
	role of brachytherapy in early cancer of the prostate? 2+3+5			
3.	. What is craniospinal irradiation? Describe its indications, techniques and field			
	matching. 2+2+3+3			
4.	What is oncological emergency? How do you manage a case of superior vena			
	caval obstruction?			
5.	Define hereditary malignancies. How do you diagnose risk factors and what are			
	the prophylactic surgical managements? 2+5+3			
6.	Clonogen number at presentation and inherent radiosensitivity are the			
	determinants of radiotherapeutic cure of malignancy: Discuss. 10			
7.	What is metronomic chemotherapy and its role in palliative care? 3+7			
8.	What are the indications of total body irradiation? What are the indications of			
	hemibody irradiation? Describe the dose and techniques of hemibody			
	irradiation. 2+2+6			
9.	Define HIPEC. What are its indications and techniques? 2+2+6			
0.	Describe the role of chemotherapy in multimodality management of head and			
	neck squamous cell cancer with evidence.			