B.E.(with Credits)-Regular-Semester 2012-Civil Engineering Sem V **CE505 - Building Design and Drawing** 

## P. Pages: 1

## 

## GUG/W/16/3678

Time : Four Hours			Max. Marks	Max. Marks: 80	
	Note	s: 1. 2. 3. 4. 5. 6.	Question No. 1 compulsory from remaining questions solve <b>any two.</b> Due credit will be given to neatness and adequate dimensions. Assume suitable data wherever necessary. Retain the construction lines. Illustrate your answers wherever necessary with the help of neat sketches. Use of nonprogrammable calculator is allowed.		
1.	A medical practitioner desires to built a residential house with a provision for a consulting chamber and examination room in the same building. The building will be single storyed framed structure with staircase. The plot size is 10x15m with road on the north side. The Kitchen and dining room combined provided on north east facing of plot. The commutation area should not exceed 50 sqm. Plan the building with minimum 3 bed rooms, Hall and Kitchen two bed room, should have attached toilets and another common toilet leave the margins as per the bye laws of municipal corporation. Draw the following views to a scale of 1:50 neatly dimensioned.				
		<ul><li>b) Se</li><li>c) Si</li></ul>	round floor plan. ection passing through staircase, w/c bath and kitchen. te plan to a scale 1:200. chedule of doors and windows and area statement, FSI.	15 15 5 5	
2.	a) b) c) d)	Explain Explain	n with neat sketch Building rules and Bye-laws. n different plan sanctioning authorities in brief. n orientation and its importance. free hand sketch of Queen post truss (well labelled).	5 5 5 5	
3.		units re i) O ii) Pr iii) C a) b) iv) Te v) D vi) La vii) A viii) Li ix) Pa x) Sa	Students above 10 yrs – 300 (students) eachers room – male & female. rawing room. aboratories – 03 Nos ssembly Hall.	20	
4.			perspective view of the building plan of Question No. 1, Neglect small details. construction lines and points.	20	
			*****		