

**MASTER OF ARCHITECTURE 1<sup>ST</sup> SEM. EXAMINATION, 2024**  
(1<sup>st</sup>/ 2<sup>nd</sup> Semester/ Repeat/ Supplementary/ Spl. Supplementary/ Old/ Annual/ Bi-Annual)

**SUBJECT: PROJECT MANAGEMENT**

Time : Three hours

Full Marks: 100

Question Serial no.	Question	Marks
	Instruction: Answer for 100 marks.	
01.	Describe the various usual steps involved in selection of a contractor for a standard project. Describe the contents of a 'Tender Document'. Prepare a 'Control Chart' and explain how imprest cash management can be made in a contractor's office for routine expenses. Also, prepare a 'Materials Stock Register' for a construction site and explain how the materials flow management can be smoothly made using the register.	25
02.	In light of 'Indian Contract Act 1872' describe 'Promise', 'Agreement' and 'Contract'. What are the essential elements of a valid contract? Describe under which circumstances a contract becomes invalid. What are the different types of 'Offer'? Does a contract become 'Void' if the contract is made without any 'Consideration'? Explain this.	25
03.	Define Work Breakdown Structure (WBS) in Project Management. Describe a few purposes of WBS. Upto level 3 of a construction project of a two storeyed administrative building for an engineering college located on a sloping ground by the side of an existing campus road. Describe how you would identify the various work packages. Prepare a time based work flow diagram showing a part of your proposition.	25
04	Define 'Project' and 'Project Management'. Describe the various steps involved in managing a project using network planning method. Using illustrations describe the essences of 'Network Diagram'. Using illustrative examples, describe the steps involved in determining 'Critical Path'. Compare PERT and CPM identifying merits and demerits of them.	25
05	In respect of the present trends in Real Estate Development in large cities of India, write an essay on how the Architects and Urban Designers should orient and gear up themselves to cater to the changing and rising demand of the technocrats in the process of Project Management.	25
06	Describe why in a construction project 'Arbitration' becomes indispensable? Describe in detail the steps involved in the process of 'Arbitration'	25