

SCHEME & SYLLABUS OF EXAMINATION OF PART-I
DRAUGHTSMAN CUM TRACER

Part	Section	Subject/Syllabus	No. of questions	Maximum Marks	Qualifying Marks
Part-I			60	180	72
	Section 'A'	Reasoning/Quantitative Aptitude	20	60	
	Section 'B'	<ul style="list-style-type: none"> • General Knowledge & General Knowledge of Rajasthan: <ol style="list-style-type: none"> 1. Events of State, National and International importance 2. Geography and Natural Resources of India and Rajasthan 3. Agricultural, Social and economic development of India Rajasthan 4. Indian Medieval History, Indian struggle for Independence,, and History of Rajasthan 5. Culture and heritage of India and Rajasthan • General Science: (upto class X) <ol style="list-style-type: none"> 1. Elements, Mixtures and Compounds 2. Physical and Chemical Changes; Oxidation and Reduction: Catalysis 3. Metals and Non Metals 4. Acids, bases and Salts 5. Reflection of light and its laws, lenses, human eye, defects, of vision and its 	30	90	

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		<p>correction</p> <ol style="list-style-type: none"> 6. Electric current, Electric potential, Ohms law, electric cell and Electric motor 7. Human Brain, hormones, human diseases and cure 8. Economic importance of animals and plants 9. Biomass, sources of energy, ecosystem, Mendel's Law of inheritance, chromosomes 10. Human blood groups, blood transfusion, Deficiency diseases and cure <ul style="list-style-type: none"> • Basic Computer Skills: <ol style="list-style-type: none"> 1. Introduction to Computers 2. Computer Systems 3. Uses of Computers 4. Introduction to the Internet & Search Engines, Internet Applications 5. Operating system, 6. MS Word Advance 7. Database Management System 8. MS Excel Advance 9. MS Power Point Basics 10. Microsoft Outlook-Basics 			
	Section 'C'	<p>Language Comprehension</p> <ul style="list-style-type: none"> • Hindi <ol style="list-style-type: none"> 1. शब्द रचना: संधि एवं संधि विच्छेद, समास, उपसर्ग, प्रत्यय 2. शब्द प्रकार: तत्सम, तत्भव, अर्धतत्सम, देशज, विदेशी, 	10	30	

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		<p>संज्ञा, सर्वनाम, विशेषण, क्रिया, अव्यय</p> <p>3. शब्द ज्ञान: पर्यायवाची, विलोम, शब्द युग्मों का अर्थभेद, वाक्यांश के लिए सार्थक शब्द, संश्रुततभिन्नार्थक शब्द, समानार्थी शब्द, उपयुक्त शब्द चयन, संबंधवाची शब्दावली</p> <p>4. शब्द शुद्धि</p> <p>5. व्याकरणिक कोटियाँ: उपसर्ग, लिंग, वचन, पुरुष, काल, वृत्ति, पक्ष , वाच्य</p> <p>6. वाक्य रचना</p> <p>7. वाक्य शुद्धि</p> <p>8. विराम चिन्हों का प्रयोग</p> <p>9. मुहावरे/ लोककित्या</p> <p>10. पारिभाषिक शब्दावली: प्रशासनिक/ विविध</p> <p>• English</p> <ol style="list-style-type: none"> 1. Use of articles and determiners 2. Tenses/ sequence of tenses 3. Active and passive voice 4. Direct and Indirect Narration 5. Use of Prepositions 6. Synonyms and antonyms 7. Comprehension of passage 8. Idioms and Phrases 9. Letter writing: Official, Demi-official. Circulars and Notices 			
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SCHEME AND SYLLABUS OF EXAMINATION OF PART-II

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Part	Section	Subject	No. of Questions	Maximum Marks	Qualifying Marks
Part-II			90	270	108
	Section 'A'	B.I.S. introduction of Code of Practice for Architectural and Building Drawing (IS:962-1989) Layout of drawing, Lines, Lettering, Dimensioning, Scales and Projection, Construction of plain and solid geometrical figures, symbols & conventional representation for materials in sections as per IS 962-1989 for building drawings, Building Planning	40	120	
	Section 'B'	Building Material, Foundation, Permanent & Temporary structure, Prefabrication structure, RCC structure, Steel structure.	25	75	
	Section 'C'	Roads, Estimating and Costing, Surveying, Levelling	25	75	

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Note : Only those candidates, who have qualified the written examination, will be called for Proficiency test.

The number of candidates called for Proficiency Test would be five times the number of vacancies advertised for the post but in the said range although candidates who secure the same percentage of marks shall be included.

Proficiency Test	Subject	Duration	Maximum Marks	Qualifying Marks
	AUTO CAD Test on Computer	3 Hours	100	40

Note : Final Merit List of qualified candidates shall be prepared on the basis of marks obtained in Written Examination and Proficiency Test.

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