ENGINEERING SCIENCE (622)
CLASS XII
(2018-19)

TIME:3 HOURS   **Max. Marks: 70**

BLUEPRINT OF SAMPLE QUESTION PAPER

SECTION A   **MARKS 40**

ENGINEERING DRAWING

UNIT NO.	UNIT NAME	SECTION -A		SECTION -B	TOTAL
		MCQ / FILL IN THE BLANKS/ DIRECT QUESTIONS	SHORT ANSWER QUESTIONS	LONG/ ESSAY TYPE QUESTION	
		1 MARK EACH	3 MARKS EACH	5MARKS EACH	
I	Section of Solids	3	1	2	6
II	Development of Surfaces	3	2	1	6
III	Fasteners	2	1	1	4
IV	Keys and Cotters	2	1	1	4
V	Couplings	2	2	2	6
TOTAL QUESTIONS		**12**	**7**	**7**	26
NO. OF QUESTIONS TO BE ATTEMPTED BY A CANDIDATE		**Any 10**	**Any 5**	**Any 3**	**18**
TOTAL MARKS		**10 x 1 = 10**	**5 x 3 = 15**	**3 x 5 = 15**	**40 MARKS**

1. **This question paper contains 26 questions out of which the candidate needs to attempt only 18 questions.**

2. Question paper will be divided into **two sections**:
   (i) SECTION A:
   - ➢ **Multiple Choice Questions/Fill in the blanks/Direct question**s: There will be 12 questions of **1** mark each.A candidate needs to attempt any **10** questions **(Marks10 x 1 = 10).**
   - ➢ **Short answer type questions**: There will be 7 questions of **3** marks each. A candidate needs to attempt any **5** questions **(Marks 5 x 3 = 15).**
   (ii) SECTION B:
   - ➢ **Long answer/ Essay type questions**: There will be **7** questions of **5** marks each. Students need to attempt any **5** questions **(Marks 3 x 5 = 15).**

SECTION B
WORKSHOP TECHNOLOGY

UNIT NO.	UNIT NAME	SECTION –A		SECTION -B	TOTAL
		MCQ / FILL IN THE BLANKS/ DIRECT QUESTIONS	VERY SHORT ANSWER QUESTION	LONG/ ESSAY TYPE QUESTION	
		1 MARK EACH	3 MARKS EACH	5 MARKS EACH	
I	Welding	7	2	3	12
II	Metallic and Non Metallic Coatings	2	3	2	7
III	Plastic Technology	1	1	2	4
TOTAL QUESTIONS		10	6	7	23
NO. OF QUESTIONS TO BE ATTEMPTED BY A CANDIDATE		Any 8	Any 4	Any 2	14
TOTAL MARKS		8 x 1 = 8	4 x 3 = 12	2 x 5 = 10	30 MARKS

1. **This question paper contains 23 questions out of which the candidate needs to attempt only 14 questions.**

2. Question paper will be divided into **two sections**:
   (i) SECTION A:
   - ➢ **Multiple Choice Questions/Fill in the blanks/Direct question**s: There will be 10 questions of **1** mark each.A candidate needs to attempt any 8 questions **(Marks 8 x 1 = 8).**
   - ➢ **Short answer type questions**: There will be 6 questions of 3 marks each. A candidate needs to attempt any 4 questions **(Marks 4 x 3 = 12).**
   (ii) SECTION B:
   - ➢ **Long answer/ Essay type questions**: There will be **7** questions of **5** marks each. Students need to attempt any 2 questions **(Marks 2 x 5 = 10).**