



فیڈرل بورڈ آف انٹرمیڈیٹ اینڈ سیکنڈری ایجوکیشن،

H-8/4، اسلام آباد

ویلڈنگ (آرک اینڈ گیس)

برائے عملی امتحان سیکنڈری سکول

عمومی ہدایات برائے ممتحن



سوال نمبر ۱۔	ممتحن دی گئی فہرست میں سے کوئی ایک عملی تجربہ تفویض کریں گے۔ اور امیدواران مطلوبہ پریکٹیکل کی صحت و صفائی اور پیمائش کا خیال رکھتے ہوئے تجربہ کو مقررہ وقت میں مکمل کریں گے۔
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نمبروں کی تقسیم

(08)	01. ڈرائنگ بنانا
(02)	02. خام اشیا کا اندراج
(02)	03. اوزار کے نام لکھنا
(02)	04. مقصد لکھنا
(16)	05. طریقہ کار تحریر کرنا
(20)	06. عملی کام
(10)	07. پریکٹیکل نوٹ بک / Practical Note Book
(10)	08. زبانی امتحان / Viva voce

نوٹ برائے ممتحن

ممتحن امیدواران کو مندرجہ بالا تفویض کردہ تجربات سے متعلق ضروری سامان اور اوزار کی فراہمی کو یقینی بنائیں گے۔

WELDING (ARC & GAS)

List of Practical

Geometrical & Technical Drawing

- 1.1 Draw basic lines and alphabet of drawing lines
- 1.2 Draw different types of angles, triangles, quadrilateral and polygons
- 1.3 Draw elements of circle
- 1.4 Sketch geometric shapes and models
- 1.5 Draw Front, Side and Top views of simple wooden model
- 1.6 Draw simple Isometric and Oblique Drawings of simple models
- 1.7 Draw the different symbols relating to welding field

General Workshop Practice

- 2.1 Identification and use of common tools their storage care and handling
- 2.2 Filing Practice by using various types of lines on different surfaces
- 2.3 Marking practice by using different marking methods
- 2.4 Metal cutting practice with chisel and hand hacksaw
- 2.5 Related technical Drawing (Sketching and Reading)

Oxy-Acetylene Welding Practice

- 3.1 Setting up of oxy-acetylene gas welding equipment and its operation
- 3.2 Flame making practice
- 3.3 Welding pool-handling practice
- 3.4 Common fusion practice on thin mild steel sheets
- 3.5 Common fusion practice on thick mild steel plate
- 3.6 Fusion practice by using filler rod
- 3.7 Straight welding bead making practice in flat position
- 3.8 Square edge-welding practice without gap in flat position
- 3.9 Fillet or T-Weld practice on MS sheet in flat position
- 3.10 Overlap weld practice on M.S Sheet in flat position
- 3.11 Corner weld practice on M.S sheet without filler rod in flat position
- 3.12 Corner weld practice on M.S sheet with filler rod in flat position
- 3.13 Open Butt weld practice on M.S sheet in flat position
- 3.14 Setting of Gas cutting equipment practice
- 3.15 Gas cutting practice on Mild steel plate
- 3.16 Brazing practice on different metal pieces

Electric Arc Welding Exercises

- 4.1 Setting up of Arc Welding equipment and its operation
- 4.2 Arc Striking practice
- 4.3 Welding electrode manipulation practice
- 4.4 Straight bead running practice on M.S plate in flat position
- 4.5 Padding practice on M.S Plate in flat position
- 4.6 Bead stoops and restart practice
- 4.7 Tack welding practice on M.S plat of fillet, lap, corner and butt-welding joint in flat position
- 4.8 Fillet weld practice on M.S plate in flat position
- 4.9 Overlap weld practice on M.S plate in flat position
- 4.10 Sq. Edge butt weld practice without gap in flat position
- 4.11 Corner weld practice on mild steel plate without gap in flat position
- 4.12 Corner weld practice with gap in flat position
- 4.13 Open butt weld practice on mild steel plate in flat position
- 4.14 Multi layer fillet weld practice on Mild steel plate in flat position
- 4.15 Weaving bead practice on M.S plate in flat position
- 4.16 Single-V butt weld practice on mild steel plate in flat position
- 4.17 Simple project making practice

Oxy-Acetylene Cutting Practice

- 5.1 Setting of gas cutting equipment and torch
- 5.2 Flame making for gas cutting
- 5.3 Cutting practice on various shapes and size on; metal plates