

Unit 9 - Week 8 - Metal and Glass Technology in Ancient India

Course outline
Unit 1 - How to access the portal
Week 1 - Introduction
Week 2 - Introduction to Science and Agriculture
Week 3 - Introduction to Ancient Indian Agriculture
Week 4 - Textile Technology
Week 5 - Rural Housing and Town Planning in Ancient India
Week 6 - Water Harvesting Technology in Ancient India
Week 7 - Materials and Metals in Ancient India
Week 8 - Metal and Glass Technology in Ancient India
<input type="radio"/> Lecture 36 – Iron smelting process in ancient India
<input type="radio"/> Lecture 37 – Iron and Steel crafts in ancient India
<input type="radio"/> Lecture 38 – Extraction and smelting of Zinc in Ancient India
<input type="radio"/> Lecture 39 – Metal Casting in Ancient India
<input type="radio"/> Lecture 40 – Glass Technology in Ancient India
Quiz : Assignment 8
<input type="radio"/> Assignment 8: Solution
<input type="radio"/> Feedback For Week 8
Live Session
Text Transcripts

Assignment 8

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-09-25, 23:59 IST.

- 1) Wootz steel is an ultra-high carbon steel which contains ____ to ____ % of steel. 1 point
- 1 to 2
 2 to 3
 3 to 4
 1.1 to 2.1
 1.2 to 2.4
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
1 to 2
- 2) _____ is the height of iron pillar at Mount Abu and in _____ year it was constructed? 1 point
- 10 feet, 1214 AD
 10 feet , 1412 AD
 12 feet 9-inch, 1214 AD
 12 feet 9-inch, 1412 AD
 19 feet 2-inch, 1214 AD
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
12 feet 9-inch, 1412 AD
- 3) Ancient Bhubaneswar iron beams contains _____ % of carbon in it. 1 point
- 0.23
 0.23 to 0.26
 0.27 to 0.45
 0.25 to 0.45
 0.59
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
0.27 to 0.45
- 4) What are the ancient traditional names of Magnets? 1 point
- Hranala
 Travaratta
 Karsaka
 Dravaka
 Munda
 Romaka
 Bhramaka
 Chumbaka
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
Karsaka
Dravaka
Romaka
Bhramaka
Chumbaka
- 5) The metal extraction process from minerals using Ayurvedic method of " Satvapatan" indicates use of _____ as flux. 1 point
- Hematite
 Borax
 Lime
 Zinc
 Copper
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
Borax
Lime
- 6) Which are true statements for the ancient ironmaking furnaces. 1 point
- It was called as Bhatti/ Kothi / Kosthi.
 Several small and large openings were provided for supplying air and operating the slag.
 China clay was used as refractory material.
 The furnaces were made either below ground or on sloping ground.
 None of the above
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
It was called as Bhatti/ Kothi / Kosthi.
Several small and large openings were provided for supplying air and operating the slag.
China clay was used as refractory material.
The furnaces were made either below ground or on sloping ground.
- 7) As per Buchanan, twin shaft furnace of Malabar region was able to produce ____ kg of iron per day. 1 point
- 100
 150
 200
 250
 300
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
250
- 8) "Rasa Ratna Ssamuccaya" indicates the temperature generation inside a charcoal furnace is _____ ° C. 1 point
- 800
 900
 1000
 1200
 1500
 1800
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
1500
- 9) A brass vase found in Taxila (Taksashila) was having _____ % of zinc. 1 point
- 22.4
 33.4
 35.7
 36.2
 39.7
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
33.4
- 10) Production of metallic zinc by distillation process for the first time in the world was started at _____ in today's Rajasthan 1 point
- Zinzuwada
 Zalawad
 Zinzunu
 Zawar
 Jaisalmer
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
Zawar
- 11) Madananta Deva wrote _____ which explains various types of brass and zinc making processes. 1 point
- Rasakalpa
 Rasprakash
 Sudhakar
 Rasendrachudamani
 Rasachintamani
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
Rasachintamani
- 12) Ancient truncated pyramid shape furnace used for smelting process contains internal area as ____ x ____ cm². 1 point
- 32 x 46
 46 x 66
 66 x 69
 69 x 89
 79 x 99
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
66 x 69
- 13) "Shilpa Shastra" explicitly deals with _____ 1 point
- Statue Making
 House Making
 Idol making
 Metal tools making
 Earth dam making
 Jewelry making
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
Statue Making
Idol making
Metal tools making
- 14)

	Compare the following		
	Modern name of tools and process		Ancient name for tools and process
(A)	Cupola	1	Talmana
(B)	Crucible	2	Bhastri
(C)	Blower	3	Bhava
(D)	Stance	4	Dhamatri
(E)	Expressions	5	Mudra
(F)	Proportions	6	GharmaAranmaya

1 point
- (A)-3, (B)-6, (C)-2, (D)-5, (E)- 4, (F)- 1
 (A)-6, (B)-4, (C)-2, (D)-1, (E)- 3, (F)- 5
 (A)-4, (B)-6, (C)-2, (D)-5, (E)- 3, (F)- 1
 (A)-5, (B)-6, (C)-2, (D)-4, (E)- 3, (F)- 1
 (A)-2, (B)-6, (C)-4, (D)-5, (E)- 3, (F)- 1
 (A)-1, (B)-6, (C)-2, (D)-5, (E)- 3, (F)- 4
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
(A)-4, (B)-6, (C)-2, (D)-5, (E)- 3, (F)- 1
- 15) Metal crafting art started in south India during _____ century CE. 1 point
- 4th – 7th
 6th – 9th
 7th – 12th
 10th – 14th
 11th – 13th
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
6th – 9th
- 16) The sources of wax in ancient time was _____. 1 point
- Resins from trees
 Cooking oil
 Cow dung
 Animal fat
 Bee hives
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
Resins from trees
Cooking oil
Animal fat
Bee hives
- 17) Which of following components were used to reduce melting point for manufacturing glass in ancient India? 1 point
- Soda
 Lime
 Clay
 Potash
 Water
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
Soda
Potash
- 18) The glass tiles found in Maharashtra, manufactured during Sat vahana period is square in _____ inches and _____ inch thick. 1 point
- 12.05", 0.5"
 10.25", 0.2"
 15.50", 0.8"
 20.07", 1.2"
 22.05", 1.0"
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
10.25", 0.2"
- 19) Mention the Ancient name of tools for glassware making. 1 point
- Kalcul
 Ankari
 Patha
 Thapi
 Cimta
 Tokkla
 All of the above
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
All of the above
- 20) The ancient Glass Blowing process in India was adopted from _____. 1 point
- Greeks
 Athens
 Romans
 Aztecs
 Mesopotamians
- No, the answer is incorrect.**
Score: 0
Accepted Answers:
Romans