



# UNIVERSITY OF THE PUNJAB

Part-I A/2017  
Examination:- M.A./M.Sc.

Roll No. ....

**Subject: Archaeology**  
**PAPER: I (Ancient History of Pakistan and India)**

**TIME ALLOWED: 3 hrs.**  
**MAX. MARKS: 100**

***NOTE: Attempt any FIVE questions. All questions carry equal marks.***

- Q.1 Write an essay on the importance of archaeological sources in the reconstruction of ancient history of Pakistan.
- Q.2 Discuss the economic condition of the early Indo-Aryans and its development during the later Vedic age?
- Q.3 Write an informative essay on Buddhism.
- Q.4 Write a detailed note on the Mauryan dynasty.
- Q.5 Describe the political rule of the Indo-Scythians in the areas now included in Pakistan.
- Q.6 What do you about the contributions of Kanishka for the promotion of Buddhist thought and culture? Discuss.
- Q.7 Describe in detail the role of the Imperial Guptas in the revival of Hinduism.
- Q.8 Discuss the Hunas' invasion of Pakistan and India.
- Q.9 Discuss the rule of the Hindu Shahis in Gandhara and the Punjab. Also throw light on their impact on the indigenous art and architecture.



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**Subject: Archaeology**  
**PAPER: II (Field Archaeology AND MUSEOLOGY)**

**TIME ALLOWED: 3 hrs.**  
**MAX. MARKS: 100**

***NOTE: Attempt any FIVE questions. All questions carry equal marks.***

**SECTION "A"**

- Q.No.1: Explain the Growth of Archaeology in South Asia?
- Q.No.2: Field Archaeology has two major parts for the collection of Data Survey and excavation. Discuss?
- Q.No.3: What is Chronology and describe its types?
- Q.No.4: What is the importance of Section drawing and plan drawing. Discuss?
- Q.No.5: Write a comprehensive note on Archaeology and its relationship with other subjects?

**SECTION "B"**

- Q.No.6: Write a detail note on History of Museology in Pakistan.
- Q.No.7: What is the role of Museum for Education in the light of ICOM'S resolutions?
- Q.No.8: What are the basic requirements for Museum Building?
- Q.No.9: How Museum Plays the key role for research activity.



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Roll No. ....

**Subject: Archaeology**  
**PAPER: III (Archaeological Tourism in Pakistan)**

**TIME ALLOWED: 3 hrs.**  
**MAX. MARKS: 100**

**NOTE: Attempt any FIVE questions. All questions carry equal marks.**

Q.1.	Define Archaeological Tourism and its scope in Pakistan.	
Q.2.	Write a detailed essay on Sanghao Cave	
Q.3.	What do you know about the history of excavations of Harappa and Mohenjodaro.	
Q.4.	Discuss in detail historic and cultural significance of Pushkalavati.	
Q.5.	Write down a comprehensive note on Jaulian Monastery. Also highlight tourist facilities provided by the concerned authorities.	
Q.6.	What are the characteristic features of Salt Range Temples?	
Q.7.	Discuss historical and cultural significance of Banbhor and Mansura.	
Q.8.	How did you find efforts of concerned authorities to promote archaeological tourism in Pakistan?	
Q.9.	Write short note on any two of the followings i. Butkara ii. Mehargarh iii. Makli Hills	



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**Subject: Archaeology**  
**PAPER: IV (Ancient World Civilizations)**

**TIME ALLOWED: 3 hrs.**  
**MAX. MARKS: 100**

***NOTE: Attempt any FIVE questions. All questions carry equal marks.***

- Q. 1. Define, different elements of a Civilization?
- Q. 2. Discuss, writing and seals of Mesopotamian Civilization?
- Q. 3. Discuss, the Chronology of Egyptian Civilization?
- Q. 4. Discuss in detail the Art and Architecture of Egyptian Civilization?
- Q. 5. The Chen Dynasty, Describe?
- Q. 6. Define in detail, the Darius I and Darius II in the Iranian Civilization?
- Q. 7. Discuss, Origin of the city states in Greek Civilization?
- Q. 8. Contribution of Greek in literature and science, Discuss?
- Q. 9. Describe the contribution of Greek in Art and Architecture?
- Q. 10. Discuss, General Characteristics of Roman Empire?



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Part-I A/2017  
Examination:- M.A./M.Sc.

Roll No. ....

**Subject: Archaeology (OLD COURSE)**  
**PAPER: V (Palaeography, Epigraphy, Calligraphy and Painting)**

**TIME ALLOWED: 3 hrs.**  
**MAX. MARKS: 100**

**NOTE: Attempt any FIVE questions. All questions carry equal marks.**

- Q.1 Write an informative essay on the origin and development of Kharoshthi.
- Q.2 Briefly examine epigraphic researches in Pakistan.
- Q.3 Describe the development of characters, long and short vowel marks from Ashokan Brahmi into Gupta Brahmi. Illustrate your answer with examples and drawings.
- Q.4 Transcribe the following into Ashokan Kharoshthi:  
Devanampriyo na tatha danam va puja manati yatha kiti salavadi siya  
savra prasamdanam bahuka ca etaye athathe vapata dhramamahamatra  
istradhiyaksha mahamatra vracabhumika ahe ca nikaye  
Aprakaranasi lahuka va siya tasi tasi prakarana pujetavya va cu para  
prasamda tena tena akarena evam karemtam prasamdam vadhati para  
prasamdasa pi ca upakaroti tada adata karata ca ata prasamdam chahati
- Q.5 Write an informative essay on the origin and development of Arabic script.
- Q.6 What do you know about the role of calligraphy in the surface decoration of Muslim monuments? Discuss.
- Q.7 Write a detailed note on the attitude of Muslim theologians towards figural painting.
- Q.8 Give salient features of the Mesopotamian school of painting.
- Q.9 Write short notes on any TWO of the following:  
(a) Ashokan rock edicts at Mansehra  
(b) Naskh  
(c) Famous Painters of the Mughal period



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Part-I A/2017  
Examination:- M.A./M.Sc.

Roll No. ....

Subject: Archaeology (NEW COURSE)  
PAPER: V (Pre & Proto History of Pakistan)

TIME ALLOWED: 3 hrs.  
MAX. MARKS: 100

**NOTE: Attempt any FIVE questions selecting At Least Two Questions from each Section. All questions carry equal marks.**

## SECTION-A

- Q. No.1 What do you understand the terms;  
i. Acheulian ii. Mousterian iii. Levolloisian  
iv. Clactonian & v. Magdalenian 20
- Q. No. 2 Describe cultural and biological evolution of man. 20
- Q. No. 3 Write in details the Paleolithic period in Pakistan? 20
- Q. No. 4 What is the meaning of Mesolithic Period? Describe the Mesolithic cultures of Pakistan. 20
- Q. No. 5 Write detailed note on Neolithic Cultures of Pakistan. 20

## SECTION-B

- Q. No. 6 How Indus Valley Civilization was discovered? Briefly describe its main features. 20
- Q. No. 7 Write down a comprehensive note on archaeological site of Mohejo-Daro. 20
- Q. No. 8 What is the significance of seals and which kind of information do they provide? 20
- Q. No. 9 What do you know about the decline of Indus Valley Civilization? 20



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Part-I A/2017  
Examination:- M.A./M.Sc.

Roll No. ....

**Subject: Botany**  
**PAPER: I (Microbiology, Phycology & Bryology)**

**TIME ALLOWED: 3 hrs.**  
**MAX. MARKS: 60**

**NOTE: Attempt any FIVE questions. All questions carry equal marks.**

- 1-(a) Explain the term chemotaxis? (6)  
(b) Write a note on sexual reproduction in Bacteria? (6)
- 2-(a) Write a note on classification and replication of viruses? (6)  
(b) What are internal and external symptoms of virus infected plants? (6)
- 3-(a) Write a note on Nostoc? (6)  
(b) Write a note on general characteristics of Cyanophyta? (6)
- 4-(a) Write a note on reproductive structure of Charophyta? (6)  
(b) How many types of thallus found in algae? (6)
- 5-(a) Write a note on characteristics of Rhodophyta? (6)  
(b) Write a note on Ectocarpus? (6)
- 6-(a) Write a note on Batrachospermum? (6)  
(b) Write a note on Polysiphonia? (6)
- 7-(a) Differentiate between three division of Bryophyta ? (6)  
(b) Write a note on Funaria? (6)
- 8-(a) What characters of *Anthoceros* are made this bryophyte as advance type? (6)  
(b) Write a note on alternation of generation and origin of sporophyte of Bryopsida? (6)