

NORTH MAHARASHTRA UNIVERSITY, JALGAON  
DEFENCE AND STRATEGIC STUDIES

F.Y.B.A./ F.Y.B.Sc. (General) from : June 1993.

Title - Indian Art of warfare

PART - I

1. Military system in vidic period -
  - a) General
  - b) Arya Anarya conflict
  - c) Military system-Selection of King and its duties
  - d) Type of armed forces - Infantry & chariots
  - e) Military training
  - f) Weapons - Types - Mukta class, Amukta class and armours
  - g) Law of war
  - h) Causes of war
  - i) Forts
  - j) Selection of battle field
2. Military system in Epic period -
  - a) General
  - b) Type of forces - chariots, Elephantry cavalry and infantry
  - c) organisation (Akehauni),
  - d) Type of war - open battle - law of open battle - Guerilla war (Kut)
  - e) Training
  - f) Recruitment, pay and allowances
  - g) Weapons
  - h) espionage and doots
  - i) wartactics (vyuhas)
  - j) Use of aircraft and battleship
3. Comparative studies of Indo Greek Art of warfare with special reference to battle of Zehlum (326 B.C.)
  - a) Indo Greek art of warfare - 1 - Back-ground 2-Alexander-invasion - Aim of invasion- forces and its weapons 3-Pouras - forces and its weapons
  - b) Battle of Zehlum-background - war planning - battle action-causes of defeat of pours
4. Kautilyats Philosophy of war -
  - a) War philosophy
  - b) Remedies on soldiers demerits-war mobilisation
  - c) Military organisation- cavalry - type-role-training-base. battle field of cavalry Elephantry-role training best battle field

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chariots-type role best battle field  
Infantry - type-role training -battle  
field Navy-role

- c) weapons- 1-mobile 2-demobile 3-sharp  
4-offensive 5-defensive
- d) Forts - types
- e) pattern of warfare -type of war
- f) Espionage and Ambassador - types
- g) Decence and security
- h) Interstate relations-Theory of mandal

5. Rajput and Turk military system-

- a) Rajputs-General- organisation and  
weapons - pay and promotions- Forts  
Wartactics - reasons of downfall of  
Rajputs- merits and demerits
- b) Turks -General -organisation-payments-  
training and wartactics
- c) battle of somnath -Mohmad Gaznavi -  
warplanning- battle action -effects \*  
of Mohmad Gaznavi \*of invasion-causes
- d) Battle of Tarzai -1st battle of victory  
General  
military power of Turks and Rajputs-  
Battle action  
2nd battle -war strategy of mohmad  
Ghori-Battle action -causes of defeat  
of Rajput

PART II

6. Military system of Sultan period-

- a) General
- b) Organisation- Type of soldiers-  
temporary-permanent - cavalry -  
Elephant Army- organisation
- c) Payments
- d) weapon
- e) wartactics
- f) military reforms of Bulban
- g) military reforms of Allah-uddin-  
khilji
- h) causes of downfall of Sultans

7. Military system under Moghals-

- a) 1. General
- 2. military organisation-grades of  
Mansabdar
- 3. Armed forces-a) Infantry and its  
types
  - b) Cavalry and its types
  - c) Elephantry
  - d) Artillery-officers,  
types and role of  
artillery
  - e) Navy
- 4. Recruitment of soldiers and officers
- 5. Training 6) weapons 7) payments
- 8. Forts 9) wartactics
- 10. Merits and demerits of Mansabdari
- 11. causes of down fall of mughals
- b) First battle Panipat (1526)-General-  
military strength of Baer and  
Ibrahimkha warplanning-battle  
action -effects of battle-causes of  
victory of babur

c) Battle of Haldighat-general-military strenght of Rajput and Mughals -war strategy-battle action

8. Maratha military system
- a) General
  - b) organisation-Army caval<sup>ry</sup> Artillery Navy
  - c) Weapons
  - d) Forts
  - e) wartactics (Guerilla)
  - f) Third battle of Panipat-Background-Deployments of forces- pre war movements-\*battle action causes of -defet in battle
- \*military strenght of maratha and Afghans
9. Sikh military system
- 1) General
  - 2) Military organisation
  - 3) Armadforces and training
  - 4) weapons
  - 5) pay and pension
  - 6) Ranjitsing and Gurugovindsingh
10. Presidency army under east India company

- Books -
- 1) J.N.Sarkar - Military history of India
  - 2) Chakrawarti -war in a Ancient India
  - 3) J.F.C. Fuller - Generalship of Alexander the Great
  - 4) K.P. Kangley - Kautilya Arthashastra
  - 5) Willam Eruin - Army of Indian Mughals
  - 6) S.N. Sen - Military system of Marathas
  - 7) F.S. Bajwa - The military system of Sikhs
  - 8) Ferterque-History of British Army.
  - 9) ब. रा. हिरगांवकर - कौटिल्यीय अर्थशास्त्र.
  - 10) नरेंद्र सिंह - भारतीय सैन्य इतिहास
  - 11) पांडे चौबे - भारतीय सैन्य इतिहास
  - 12) चौधरी गोंदरे - भारतीय सैन्य इतिहास

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NORTH MAHARASHTRA UNIVERSITY, JALGAON

Defence and Strategic studies

F.Y.B.A./B.Sc. Optional paper (From June, 1993)

Title - Western Military History.

PART - I

1. Military system of Greeks :- i) General -ii) Organisation - Flanks-merits & Demerits of flanks. Reforms of Alexander in flanks. Types - Hypaspits, Hetaria, sarisaphosi, light iii) Weapons iv) Art of warfare. v) Alexander the great.
2. Military system of Romans- i) General ii) Organisation - Roman legion iii) Weapons -velight, Hastati, princip & Triari iv) merits & Demerits of Roman legion. v) Julious ceasor and its Reforms.
3. Hanibal and Sipio contribution to the art of war of Battle of Zama and Battle of canne. (punic wars)  
i) Hanibal- (Greek)-General,- Military organisation- strategy of Hanibal - Battle of canne. - war plan- Battle action -defeat of Romans. ii) Sipio - (Roman)- General- strategy-of Roman Generals Battle of zuma -warplan- Battle action defeat of karthegion (Hanibal)
4. The age of cavalzy -i) Background ii) Battle of Adrinople iii) Non Develop communities & its cavalzy- Goth, H.n, Arabs, Frank iv) Development of cavalzy under king Alfrade (uk) v) War Tactis & weapons. vi) Battle of Hasting -(1066) vii) Battle of crosy- (1346) viii) causes of Downfall of cavalzy.
5. Revival of Infantry -
6. Gun powder and fire arms- i)General. ii)Effect of gun powder on naval & land warfare. iii)/<sup>Naval</sup>Power of England & gun powder iv) changes of weapons- evolution of modern Gun. - Development of Rifle.
7. Assesment of Gustavas Adalphus, fredrick the great and nepolion
  - (1) Gustavus Adusphus - i) General. ii) Reforms in a)Administrative b) military organisation c)weapons d)cavalzy e)Artillery
  - (2) Fredrick the great - i) General. ii)Reforms - a)organisation of arm forces b) Artillery c) military Training and Discipline d) oblique order march d)principles of fredrick the great. iii) Demerits of arm forces. iv) evolution of fredrick the great
  - (3) Nepolion - i) General. ii) Important battle's of Nepolion - Itali, Austria, Egipt, Spen, Austerlize, Russia waterloo iii) qualities of Nepolion's army - iv) War Tactics and reforms of Nepolion.- planning of war, leadership-, Mobility, Surprise, \*  
\* offensive policy, concerntration of force, origine of citizen army, orga-nisation arm force, Administration, Artillery: cavalzy. v) causes of Downfall of Nepolion. vi) clauswitz and Jomini's view about nepolion's art of warfare.

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PART - II

8. (1) Causes of World War -I - i) Division of Europ in two groups. ii) military offensive policy. iii) Bismark's policy of france. iv) Development of science & Technology. v) Economic colonisam vi) lack of international organisation vii) Propaganda viii) Nature of Viliam II ix) Murder of Archduck fransis.
- (2) Kind of warfare - i) Tank warfare 2) chemical warfare, 3) (U Boats) Naval warfare 4) Trench warfare. 5) Uuerilla warfare 6) Pschological.
- (3) Treaty of varsailas.
9. World War II - Background.
10. German Technique in IInd World War - Blitzkreig Technique. - used in Europe Russia- Africa - Battle of Al-Alamin - role of airforce (Strategic Bombing) Naval Blocked. - Rommel & Montgometry.
11. Japan as a Military power - military strength of Japan - Infantry, Airforce- Navy.- war in Malaya, invantion in Burma attack on pearl Harbour and naval battles in pacific ocean. submarine and aircraft carrier.
12. Air power in world war IInd - i) Battle of Britan ii) Strategic bombing .
13. Development of Artillery during world war II - use of field artillery  
medium Artillery  
Heavy Artillery  
Mountain Artillery & its characterastics  
Anty aircraft Artillery.  
Costal Artillery.
14. Use of Atom in IInd World War -  
- use of Atombomb on Japan  
- End of IInd World War  
- Origin/ <sup>of</sup> nuclear age-

- Books : 1) Montgomery - History of warfare  
2) Earle. En.- Makers of Modern strategy.  
3) Falls cyril -Hundred years of war  
4) Fuller JFC - conduct of war.  
5) कुबलकर - दुसरे महायुद्ध.

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