



B.A./5th Sem (G)/HIST/23(CBCS)

2023

5th Semester Examination
HISTORY (General)

Paper : SEC 3-T

**[Colonial Science in India :
Institutions and Practices]**

[CBCS]

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any **five** questions : $5 \times 2 = 10$

1. What is Colonial Science according to George Basalla?
2. Who was Pramatha Nath Bose?
3. What do you mean by Bose Statistics?
4. Write briefly about Agri Horticultural Society.
5. When and why was the Geological Survey of India established?
6. Write the name of two science journals published in colonial India.

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7. Who established Bengal Chemical and when?

8. Who was C.V. Raman.

Group - B

Answer any *four* questions : $5 \times 4 = 20$

9. Write a short note on the Bose Institute
10. Discuss the contribution of Prafulla Chandra Roy towards the growth of chemical science.
11. How successful was the national science practice as a complement to the colonial science practice?
12. Analyze the contribution of Meghnad Saha in the field of scientific research and planning in colonial India.
13. What were the features of botanical activities in early colonial India?
14. Discuss Mahatma Gandhi's view on modern science and technology.

Group - C

Answer any *one* question : $10 \times 1 = 10$

15. Write an essay on the practices of science by Indian Scientists.
16. What were the ideas of Jawaharlal Nehru regarding modern science and technology?

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বঙ্গানুবাদ

বিভাগ - ক

যে-কোনো পাঁচটি প্রশ্নের উত্তর দাও : $2 \times 5 = 10$

- ১। জর্জ বাসান্নার মতানুযায়ী ঔপনিবেশিক বিজ্ঞান কী?
- ২। প্রমথনাথ বোস কে ছিলেন?
- ৩। বসু পরিসংখ্যান (Bose Statistics) বলতে কী বোঝ?
- ৪। এগ্রি-হটিকালচারাল সোসাইটি সম্পর্কে সংক্ষেপে লেখো।
- ৫। জিওলজিক্যাল সার্ভে অফ ইন্ডিয়া কবে এবং কেন প্রতিষ্ঠিত হয়েছিল?
- ৬। ঔপনিবেশিক ভারতে প্রকাশিত দুটি বিজ্ঞান বিষয়ক পত্রিকার নাম লেখো।
- ৭। বেঙ্গল কেমিক্যাল কে প্রতিষ্ঠা করেন এবং কবে?
- ৮। সি. ভি. রমন কে ছিলেন?

বিভাগ - খ

যে-কোনো চারটি প্রশ্নের উত্তর দাও : $5 \times 4 = 20$

- ৯। বোস ইনস্টিটিউট সম্বন্ধে সংক্ষেপে একটি টীকা লেখো।
- ১০। রসায়ন বিজ্ঞানের বিকাশে প্রফুল্লচন্দ্র রায়ের অবদান আলোচনা করো।

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- ১১। ঔপনিবেশিক বিজ্ঞান-চর্চার পরিপূরক হিসেবে জাতীয় বিজ্ঞান-চর্চা কতখানি সফল হতে পেরেছিল?
- ১২। ঔপনিবেশিক ভারতে বিজ্ঞান গবেষণা ও পরিকল্পনায় মেঘনাথ সাহার অবদান বিশ্লেষণ করো।
- ১৩। প্রারম্ভিক ঔপনিবেশিক ভারতে উদ্ভিদবিদ্যাগত ক্রিয়াকলাপের বৈশিষ্ট্য কী ছিল?
- ১৪। আধুনিক বিজ্ঞান ও প্রযুক্তি সম্পর্কে মহাত্মা গান্ধীর ভাবনা আলোচনা করো।

বিভাগ - গ

যে-কোনো একটি প্রশ্নের উত্তর দাও : $১০ \times ১ = ১০$

- ১৫। ভারতীয় বিজ্ঞানীদের বিজ্ঞান-চর্চা সম্পর্কে একটি প্রবন্ধ লেখো।
 - ১৬। আধুনিক বিজ্ঞান ও প্রযুক্তি সম্পর্কে জওহরলাল নেহেরুর ভাবনা কী ছিল?
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Santali Version

Group - A

ଧନୀୟ ଗୁଣ ଧରଣ ଗୁଣନୀୟ ବ୍ୟବସ୍ଥା ସଂଗ୍ରହ ଓଡ଼ିଆ
ଅଂଶ : 5×2=10

1. ଧନୀୟ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ
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Group - B

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ଅଂଶ : 5×4=20

9. ଧନୀୟ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ ଧରଣ
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P.T.O.

10. යම්කිසිවක් උගැනීමේදී පවත්නා වන සියලුම ප්‍රශ්නවලට පිළිතුරු දීමට හැකි වන පරිදි පිළිතුරු දෙයි.
11. මෙම ප්‍රශ්නවලට උගැනීමේදී පවත්නා වන සියලුම ප්‍රශ්නවලට පිළිතුරු දීමට හැකි වන පරිදි පිළිතුරු දෙයි.
12. මෙම ප්‍රශ්නවලට උගැනීමේදී පවත්නා වන සියලුම ප්‍රශ්නවලට පිළිතුරු දීමට හැකි වන පරිදි පිළිතුරු දෙයි.
13. මෙම ප්‍රශ්නවලට උගැනීමේදී පවත්නා වන සියලුම ප්‍රශ්නවලට පිළිතුරු දීමට හැකි වන පරිදි පිළිතුරු දෙයි.
14. මෙම ප්‍රශ්නවලට උගැනීමේදී පවත්නා වන සියලුම ප්‍රශ්නවලට පිළිතුරු දීමට හැකි වන පරිදි පිළිතුරු දෙයි.

Group - C

පහත දී ඇති ප්‍රශ්නවලට පිළිතුරු දෙයි :
10×1=10

15. උගැනීමේදී පවත්නා වන සියලුම ප්‍රශ්නවලට පිළිතුරු දීමට හැකි වන පරිදි පිළිතුරු දෙයි.
16. මෙම ප්‍රශ්නවලට උගැනීමේදී පවත්නා වන සියලුම ප්‍රශ්නවලට පිළිතුරු දීමට හැකි වන පරිදි පිළිතුරු දෙයි.

