

Sr. No. 3171**Exam. Code: 108204****Subject Code : 2710****B.Sc. Home Science - 4th Sem.****(2517)****Paper -I: Developmental Stages Till Old Age****Time allowed: 3 hrs.****Max. Marks: 50**

NOTE-Attempt FIVE questions in all. Question 1 is compulsory.

1. WRITE NOTES:

- | | | |
|---|----|----|
| A) sexual problems of adolescence. | 4 | |
| B) Role of grandparents | 3 | |
| C) authoritarian parenting | 3 | |
| 2. Define puberty. Discuss sexual changes during puberty in adolescents | | 10 |
| 3. Discuss the role of parents in solving emotional and social problems of adolescents. | | 10 |
| 4. Discribe the various developmental tasks of adulthood. | | 10 |
| 5. Discuss the advantages and disadvantages of permissive parenting. | 10 | |
| 6. Give details of changes in midlife of women and men. | 10 | |
| 7. How does retirement change the life during old age. Discuss adjustment problems of retirement. | | 10 |
| 8. Discuss the psycho-socio aspects of aging. | | 10 |

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Paper - II: Kitchen Design & its Equipment

Time allowed: 3 hrs.

Max. Marks: 60

**Note: Attempt FIVE questions in all. Q. No.1 is Compulsory.
Each question carries 12 marks.**

1. Write short notes on the following:-

- i) Evil effects of bad ventilation.
- ii) Insulating materials.
- iii) Care and cleaning of glass.
- iv) Define equipment.
- v) What is Pebbled Finish?
- vi) How to improve the heat conductivity of Stainless Steel

Vessels?

(6x2=12)

- 2. What is kitchen layout? What points should be considered while planning an ideal kitchen?**
- 3. Discuss the various factors to be considered in the selection of equipments.**
- 4. Explain the following:-**
 - a) Kitchen Geometry
 - b) Precautions taken while operating electrical appliances. (6+6)

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5. Write about construction features, working principle, care and cleaning of a microwave oven.
6. Discuss the main characteristics, suitability and maintenance of Brass, Aluminium and Iron used for the construction of household equipments.
7. What type of materials would you suggest for kitchen platform, ceiling and sink. Give the justification for your choice.
8.
 - a) Why do you apply finishes?
 - b) How will you take care of Teflon Coated Non-stick Utensils?

(6+6)

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B.Sc. Home Science - 4th Sem.**(2517)****Paper -III: Quality Food Production & Service****Time allowed: 3 hrs.****Max. Marks: 60****Note: Attempt only 5 questions (12 Marks for each question)****(II) Question No. 1 is Compulsory**

1. Write Short note on
 - (a) Commercial and Institutional
 - (b) A La Carte and Table 'd hote
 - (c) Single Point Service
 - (d) Solid Wastes
 - (e) Specialized Service
 - (f) Gross Profit Ratio
2. Classify Catering Industry in detail and Write down their objectives.
3. Define "Menu" what are its objectives and what point will you consider while planning menu.
4. What are different foods "Recommended for use in Canteen Lunch room and Kiosks .
5. Write down some effective use of leftover food.
6. How will you calculate cost of dish, meal and event.
7. Describe different styles of foods service.
8. Write note on:
 - (a) Control of flies
 - (b) Control of Cockroaches
 - (c) Use of Pesticides

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Subject Code : 2713

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Paper -IV: Traditional Embroideries, Textiles & Costumes of India

Time allowed: 3 hrs.

Max. Marks: 60

Note- I) Q.No. I is compulsory.

II) Attempt five questions in all

I. Fill in the blanks-

- I) The fabric used for "Phulkari" is _____ and the silk thread used is called _____
- II) Bengal is famous for _____ embroidery.
- III) The stitches used in "Chikankari" embroidery are _____ and _____
- IV) "kasidakari" work is done in _____
- V) Karnatka is known for _____ work.
- VI) Gujarat Tie and Dye is done on _____ and in Rajasthan, it is done on -----
- VII) The yarn used in "Chanderi" sarees is _____
- VIII) The traditional headgear of men of Rajasthan is called _____ and men of Bengal are called _____. (1x12=12)

II. Draw similarities and differences between costumes of women of Punjab and Jammu Kashmir. (12)

III. What are the peculiar features of costumes of men and women of Rajasthan? (12)

IV. Kashmir carpets have become famous all over. How? (12)

V. Discuss the traditional fabrics of Bengal. (12)

VI. How can you compare Ikkat, Patola and Pochampalli? (12)

VII. Explain the 'Phulkari' work of Punjab. (12)

VIII. What do you know about Kathiawar embroidery? (12)

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Subject Code : 2714

B.Sc. Home Science - 4th Sem.

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Paper -V: Consumer Economics

Time allowed: 3 hrs.

Max. Marks: 50

Out of total 8 questions, attempt any 5 questions. Question I is compulsory. Each question carries 10 marks.

- I. (i) What is the main motive of advertising.
- (ii) Write any three qualities of an efficient salesman.
- (iii) What do you mean by branding?
- (iv) Write any three business malpractices?
- (v) What do you mean by consumer protection?
- II. What is need of consumer education? Why they should be protected? Explain.
- III. Explain in detail consumer rights and responsibilities.
- IV. What do you mean by branding? What are its advantages?
- V. Who is an entrepreneur? What are his functions? Write the qualities of an efficient entrepreneur.
- VI. What do you mean by advertising? What is its need? Explain its advantages and its modes.
- VII. What are various frauds and malpractices adopted by businessmen? How consumers can be protected?
- VIII. What do you mean by consumer protection? Why consumers should be protected? Explain consumer protection act 1986 in brief.

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Subject Code : 2715

B.Sc. Home Science - 4th Sem.**(2517)****Paper -VI: Applied Physics****Time allowed: 3 hrs.****Max. Marks: 30****Note:** (i) Attempt 5 questions only.

(ii) Question 1 (short answer type question) is compulsory.

1. Short answer type question

- i) Define electric current. What are its S.I. units ?
 - ii) Differentiate between ultraviolet, visible and infrared radiations.
 - iii) Differentiate between resistance and specific resistance.
 - iv) What are characteristics of image formed by plane mirror ?
 - v) What kind of energy change takes place when a magnet is moved towards a coil having a galvanometer at its ends? Name the phenomenon.
 - vi) What is Lenz's Law ? (1×6=6)
2. What is meant by the term local earthing? Explain how it is done. Why earthing of an electric appliance is useful only if the fuse is in the live wire. Explain the reason. (6)
 3. Explain with the help of circuit diagram, 'The ring system' of house wiring. What are its advantages over the tree system. Why lights and other outlet points are parallel to each other. (6)
 4. What is transformer ? Explain its principle. Name various types of energy losses of a transformer. How the loss of energy in the core of a transformer can be minimized? Differentiate between step up and step-down transformer. (6)
 5. (a) What is meant by magnetic effect of electric current? State right hand thumb ends to determine the direction of magnetic field around a current carrying wire. (4)
 (b) Differentiate between electromagnet and permanent magnet. (2)
 6. (a) Define the term heat capacity and specific heat capacity and how these are related to each other. (3)
 (b) Why (i) is the base of a cooking pan made thick and heavy?
 (ii) Water is used as an effective coolant?
 (iii) The climate near the seashore is moderate. (3)
 7. (a) Explain the electromagnetic spectrum of radiations in terms of ranges of wavelength. (4)
 (b) What are advantages and disadvantages of CFL's over the incandescent lamp source of light? (2)
 8. (a) Define the power of a lens. In what units is it expressed ? (2)
 (b) Explain with the help of ray diagram formation of image when object is placed between F and 2F of Convex lens. What are characteristics and magnification of image formed. (4)

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Exam. Code: 108204
Subject Code : 2716**B. Sc. Home Science - 4th Sem.**
(2517)**Paper - VII: Applied Chemistry**

Time allowed: 3 hrs.

Max. Marks: 30

Note: Attempt FIVE questions in all. Q. No.1 is Compulsory.
Each question carries (6) marks.

1.
 - a) Write IUPAC name of succinic acid.
 - b) Soaps cannot be used in hard water. Give reason.
 - c) What changes come into rubber due to vulcanization?
 - d) Name essential characteristics of ^agood perfume.
 - e) What are fibres? Give one example.
 - f) What is meant by calorific value of a fuel? Mention its units. (6x1=6)
2. Draw structure of the following compounds:-
 - a) Glucose
 - b) isoprene
 - c) ethylene glycol
 - d) picric acid
 - e) diethyl ketone
 - f) ebonite (6x1=6)
3. Discuss the classification of synthetic detergents with the help of suitable examples. (6)
4. Give an account of various types of creams. How does a vanishing cream differ from a cold cream? (4+2)

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5. a) Explain the difference between thermoplastics and thermosetting plastics giving suitable examples. (3+3)
- b) Enlist uses of plastics and rubber. (3+3)
6. Enumerate various characteristics of a good fuel. (6)
7. Throw light on synthetic fibres. How do they differ from the natural fibres? (4+2)
8. Write notes on the following:-
- a) Detergent action
- b) Perfumes
- c) Preservatives (3x2=6)

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Centre No-3 08/05/17

(MOR)

Exam. Code : 108204

Subject Code : 2717

B.Sc. Home Science Semester—IV

ENVIRONMENTAL STUDIES

Paper : ESL—222

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Section A: (15 marks) : It consists of **FIVE** short answer type questions. Candidates are required to attempt any **THREE** questions, each question carries **5** marks. Answer to any of the questions should not exceed **2** pages.

Section B: (20 marks) : It consists of **FOUR** essay type questions. Candidates are required to attempt any **TWO** questions, each question carries **10** marks. Answer to any of the questions should not exceed **4** pages.

Section C: (15 marks) : It consists of **TWO** questions. Candidates are required to attempt any **ONE** question, only which carries **15** marks. Answer to the questions should not exceed **5** pages.

SECTION—A

1. What are the consequences of Cyclones ? Give its mitigation measures.
2. What are major threats of biodiversity ?

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(Contd.)

3. उद्यमिता (Entrepreneurship) विकास में वित्तीय और सहायक सेवा संस्थानों की क्या भूमिका है ?
4. महिला और बाल कल्याण प्रोग्रामों पर संक्षिप्त नोट लिखिए।
5. पर्यावरण तथा मानव स्वास्थ्य में सूचना प्रौद्योगिकी की भूमिका बताइए।

भाग—ख

6. वायु प्रदूषण की परिभाषा, कारण, प्रभाव तथा इसे नियंत्रित करने के उपाय बताइए।
7. मोटर वाहन अधिनियम, 1988 पर संक्षिप्त टिप्पणी लिखिए।
8. आत्मरक्षा के लक्ष्य तथा उद्देश्य क्या है ? आत्म-रक्षा प्रशिक्षण की क्या आवश्यकता है ?
9. ठोस कचरे को कैसे नियंत्रित किया जा सकता है ?

भाग—ग

10. जैवविविधता की इन सीटू (*in situ*) तथा एक्स सीटू (*ex situ*) संरक्षण विधियों को बताइए।
11. भारत के जैव-भौगोलिक वर्गीकरण बताइए।

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3. What is the role of financial and support service institutions in entrepreneurship development ?
4. Write a brief note on women and child welfare programmes.
5. Give role of information technology in environment and human health.

SECTION—B

6. Give definition, causes, effects and control measures of air pollution.
7. Give a brief note on Motor Vehicles Act, 1988.
8. What are aims and objectives of self defense ? What is the need for self defense training ?
9. How can the solid waste be handled ?

SECTION—C

10. Give *in situ* and *ex situ* conservation method of biodiversity.
11. Give bio-geographical classification of India.

(Punjabi Version)

ਨੋਟ :— ਭਾਗ ਓ : (15 ਅੰਕ) : ਇਸ ਭਾਗ ਵਿੱਚ ਪੰਜ ਲਘੂਉਤਰੀ ਪ੍ਰਸ਼ਨ ਦਿੱਤੇ ਗਏ ਹਨ। ਪ੍ਰੀਖਿਆਰਥੀ ਕੋਈ ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਕਰਨ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 5 ਅੰਕ ਹਨ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦਾ ਉੱਤਰ 2 ਪੇਜਾਂ ਤੋਂ ਵੱਧ ਨਾ ਹੋਵੇ।

ਭਾਗ ਅ : (20 ਅੰਕ) : ਇਸ ਭਾਗ ਵਿੱਚ ਚਾਰ ਦੀਰਘਉਤਰੀ ਪ੍ਰਸ਼ਨ ਦਿੱਤੇ ਗਏ ਹਨ। ਪ੍ਰੀਖਿਆਰਥੀ ਕੋਈ ਦੋ ਪ੍ਰਸ਼ਨ ਕਰਨ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 10 ਅੰਕ ਹਨ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦਾ ਉੱਤਰ 4 ਪੇਜਾਂ ਤੋਂ ਵੱਧ ਨਾ ਹੋਵੇ।

ਭਾਗ ਬ : (15 ਅੰਕ) : ਇਸ ਭਾਗ ਵਿੱਚ ਦੋ ਪ੍ਰਸ਼ਨ ਦਿੱਤੇ ਗਏ ਹਨ। ਪ੍ਰੀਖਿਆਰਥੀ ਕੋਈ ਇਕ ਪ੍ਰਸ਼ਨ ਕਰਨ, ਜਿਸਦੇ 15 ਅੰਕ ਹਨ। ਇਸ ਪ੍ਰਸ਼ਨ ਦਾ ਉੱਤਰ 5 ਪੇਜਾਂ ਤੋਂ ਵੱਧ ਨਾ ਹੋਵੇ।

ਭਾਗ—ਓ

1. ਚੱਕਰਵਾਤ ਦੇ ਕੀ ਨਤੀਜੇ ਹੁੰਦੇ ਹਨ ? ਇਸ ਨੂੰ ਘੱਟ ਕਰਨ ਦੇ ਉਪਾਅ ਦੱਸੋ।
2. ਜੈਵ ਵਿਵਿਧਤਾ ਦੇ ਮੁੱਖ ਖਤਰੇ ਕੀ ਹਨ ?

3. ਇੰਟਰੀਪ੍ਰੀਨਿਊਰਸ਼ਿਪ (entrepreneurship) ਵਿਕਾਸ ਵਿੱਚ ਵਿੱਤੀ ਅਤੇ ਸਹਾਇਕ ਸੇਵਾ ਸੰਸਥਾਨਾਂ ਦੀ ਕੀ ਭੂਮਿਕਾ ਹੈ ?
4. ਮਹਿਲਾ ਅਤੇ ਬਾਲ ਕਲਿਆਣ ਪ੍ਰੋਗਰਾਮਾਂ ਉਪਰ ਸੰਖਿਪਤ ਨੋਟ ਲਿਖੋ।
5. ਵਾਤਾਵਰਣ ਅਤੇ ਮਨੁੱਖੀ ਸਿਹਤ ਵਿੱਚ ਸੂਚਨਾ ਤਕਨਾਲੋਜੀ ਦੀ ਭੂਮਿਕਾ ਦੱਸੋ।

ਭਾਗ—ਅ

6. ਹਵਾ ਪ੍ਰਦੂਸ਼ਣ ਦੀ ਪਰਿਭਾਸ਼ਾ, ਕਾਰਣ, ਪ੍ਰਭਾਵ ਅਤੇ ਨਿਯੰਤ੍ਰਣ ਕਰਨ ਦੇ ਉਪਾਅ ਦੱਸੋ।
7. ਮੋਟਰ ਵਾਹਨ ਅਧਿਨਿਯਮ, 1988 ਉਪਰ ਸੰਖਿਪਤ ਟਿੱਪਣੀ ਲਿਖੋ।
8. ਸਵੈ-ਰੱਖਿਆ ਦੇ ਲਕਸ਼ ਅਤੇ ਉਦੇਸ਼ ਕੀ ਹਨ ?
9. ਸਵੈ ਰੱਖਿਆ ਸਿਖਲਾਈ ਦੀ ਕੀ ਲੋੜ ਹੈ ? ਠੋਸ ਰਹਿੰਦ ਦਾ ਪ੍ਰਬੰਧਨ ਕਿਵੇਂ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ?

ਭਾਗ—ਬ

10. ਜੈਵ ਵਿਵਿਧਤਾ ਦੇ ਇਨ ਸੀਟੂ (*in situ*) ਅਤੇ ਐਕਸ ਸੀਟੂ (*ex situ*) ਸੰਭਾਲ ਵਿਧੀਆਂ ਦੱਸੋ।
11. ਭਾਰਤ ਦੇ ਜੈਵ-ਭੂਗੋਲਿਕ ਵਰਗੀਕਰਨ ਦੱਸੋ।

(Hindi Version)

ਨੋਟ :— ਭਾਗ ਕ : (15 ਅੰਕ) ਇਸमें पांच लघुउत्तरी प्रश्न दिए गए हैं। परीक्षार्थी कोई तीन प्रश्न करे। प्रत्येक के 5 अंक हैं। प्रत्येक प्रश्न का उत्तर 2 पृष्ठों से अधिक न हो।

भाग ख : (20 अंक) इसमें चार दीर्घउत्तरी प्रश्न दिए गए हैं। परीक्षार्थी कोई दो प्रश्न करें। प्रत्येक प्रश्न के 10 अंक हैं। प्रत्येक प्रश्न का उत्तर 4 पृष्ठों से अधिक न हो।

भाग ग : (15 अंक) इसमें 2 प्रश्न दिए गए हैं। परीक्षार्थी कोई 1 प्रश्न करें जिसके 15 अंक हैं। इस प्रश्न का उत्तर 5 पृष्ठों से अधिक न हो।

भाग—क

1. चक्रवातों के क्या परिणाम होते हैं ? इसे कम करने के उपाय बताइए।
2. जैव विविधता के मुख्य खतरे क्या हैं ?