

Roll No.

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(Write Roll Number from left side exactly as in the Admit Card)

Signature of Invigilators

1. _____
2. _____

2317

Question Booklet Series

X

PAPER-II

Question Booklet No.

(Identical with OMR Answer Sheet Number)

Subject Code : 23

HOME SCIENCE

Time : 1 Hour 15 Minutes

Maximum Marks: 100

Instructions for the Candidates

1. Write your Roll Number in the space provided on the top of this page as well as on the OMR Sheet provided.
2. At the commencement of the examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and verify it:
 - (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page.
 - (ii) Faulty booklet, if detected, should be get replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given.
 - (iii) Verify whether the Question Booklet No. is identical with OMR Answer Sheet No.; if not, the full set to be replaced.
 - (iv) After this verification is over, the Question Booklet Series and Question Booklet Number should be entered on the OMR Sheet.
3. This paper consists of fifty (50) multiple-choice type questions. All the questions are compulsory. Each question carries *two* marks.
4. Each Question has four alternative responses marked: (A) (B) (C) (D). You have to darken the circle as indicated below on the correct response against each question.

Example: (A) (B) (●) (D), where (C) is the correct response.
5. Your responses to the questions are to be indicated correctly in the OMR Sheet. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated.
6. Rough work is to be done at the end of this booklet.
7. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification.
8. Do not tamper or fold the OMR Sheet in any way. If you do so, your OMR Sheet will not be evaluated.
9. You have to return the Original OMR Sheet to the invigilator at the end of the examination compulsorily and must not carry it with you outside the Examination Hall. You are, however, allowed to carry question booklet and duplicate copy of OMR Sheet after completion of examination.
10. **Use only Black Ball point pen.**
11. **Use of any calculator or mobile phone etc. is strictly prohibited.**
12. **There are no negative marks for incorrect answers.**

[Please Turn Over]

HOME SCIENCE

PAPER II

1. Germ cells are formed by a process called

- (A) Mitosis
- (B) Crossing over
- (C) Meiosis
- (D) Ovulation

2. Recommended allowances of Folic acid for pregnant woman is

- (A) 500 mcg
- (B) 100 mcg
- (C) 300 mcg
- (D) 400 mcg

3. Sleeves most appropriate for infants garment are

- (i) Kimono
- (ii) Leg of mutton
- (iii) Raglan
- (iv) Saddler

Find the correct combination according to codes:

- (A) (i) and (ii)
- (B) (iii) and (iv)
- (C) (iv) and (ii)
- (D) (iii) and (i)

4. The best known enhancers of iron absorption in the body are

- (A) Lactoferrin
- (B) Polyphenol
- (C) Ascorbic acid
- (D) Folic acid

5. Write the framework of Panchayat Raj System from lowest to highest.

- (i) Panchayat Samiti
- (ii) Gram Panchayat
- (iii) Zilla Parishad

Codes:

- (A) (i) (ii) (iii)
- (B) (ii) (i) (iii)
- (C) (iii) (ii) (i)
- (D) (ii) (iii) (i)

6. Meal Planning is important for

- (i) Variety in diet
- (ii) Efficient utilization of resources
- (iii) Planning of food budget
- (iv) Nutritional adequacy

Find the correct combination according to codes:

- (A) (iii) and (i)
- (B) (i) and (iv)
- (C) (iv) and (ii)
- (D) (iii) and (iv)

7. While washing fabrics of protein fibers bleeding can be prevented by

- (i) Vinegar
- (ii) Common Salt
- (iii) Acetic acid
- (iv) Washing Soda

Find the correct combination according to codes:

- (A) (ii) and (iv)
- (B) (iii) and (iv)
- (C) (i) and (iii)
- (D) (ii) and (iii)

8. Give the correct threading sequence pattern of Sewing Machine.

- (i) Spool
- (ii) Tension discs
- (iii) Needle
- (iv) Thread takeup lever

Find the correct combination according to codes:

- (A) (i) (ii) (iii) (iv)
- (B) (iv) (iii) (i) (ii)
- (C) (iii) (i) (ii) (iv)
- (D) (i) (iii) (iv) (ii)

9. Chi-square test is used

- (A) To check accuracy of data
- (B) When there are 3 or more groups for comparison
- (C) When there are only 2 groups for comparison
- (D) When the data is in frequencies

10. Write the correct sequence of the steps in the process of Research Designing.

- (i) Review of literature
- (ii) Formulate problems
- (iii) Organize and draft the research design
- (iv) Select area and subjects

Codes:

- (A) (ii) (iii) (iv) (i)
- (B) (iv) (i) (ii) (iii)
- (C) (i) (iii) (iv) (ii)
- (D) (iii) (iv) (ii) (i)

11. Assertion (A): NREGA recently named as MGNREGA i.e., Mahatma Gandhi National Rural Employment Guarantee Act on 2nd October 2009 was started on 02.02.2006.

Reason (R) : This is largest public employment guaranteed programme of rural area which ultimately aims at better livelihood security of villagers.

- (A) R is correct and A is incorrect
- (B) A is correct and R is incorrect
- (C) Both A and R are correct
- (D) Both R and A are incorrect

12. HDL is synthesized and secreted from

- (A) Muscles
- (B) Kidneys
- (C) Liver
- (D) Pancreas

13. Releasing pent up emotional energy is

- (A) Emotional security
- (B) Emotional catharsis
- (C) Body control
- (D) Mental balance

14. The term 'Therbligs' was given by

- (A) Mundell
- (B) Gilberth
- (C) Denmann W. Rose
- (D) Prang

15. Triggering the mind of participants to finding out solutions for a problem is called as

- (A) Brainstorming
- (B) Debate
- (C) Symposium
- (D) Colloquium

16. Principles in textile design are

- (i) Harmony
- (ii) Light
- (iii) Balance
- (iv) Proportion
- (v) Rhythm

Find the correct combination according to codes:

- (A) (i) (ii) (ii) (iv)
- (B) (ii) (i) (iii) (iv)
- (C) (iv) (iii) (i) (v)
- (D) (v) (iv) (iii) (ii)

17. Credibility in communication means

- (A) Complete
- (B) Profitable
- (C) Trust worthiness
- (D) Monetary

18. Match the foods given in *List I* with pigments given in *List II*.

<i>List I</i>	<i>List II</i>
(a) Tomato	(i) Myoglobin
(b) Corn	(ii) Chlorophyll
(c) Turnip	(iii) Anthocyanin
(d) Brinjal	(iv) Xanthophyll
(e) Meat	(v) Lycopene
	(vi) Anthoxanthin

Codes:

- (a) (b) (c) (d) (e)
- (A) (i) (iii) (v) (iv) (v)
- (B) (vi) (iv) (iii) (i) (v)
- (C) (iii) (v) (i) (ii) (vi)
- (D) (v) (iv) (vi) (iii) (i)

19. Match the items in *List I* with items in *List II*.

<i>List I</i>	<i>List II</i>
(a) Dextrinization	(i) Preparation of Paneer
(b) Gelatinization	(ii) Preparation of white sauce
(c) Coagulation	(iii) Toasted bread
(d) Emulsification	(iv) Kneeding of dough
(e) Enzymatic browning	(v) Peeled potatoes
	(vi) Mayonaise

Codes:

- (a) (b) (c) (d) (e)
- (A) (i) (v) (iv) (iii) (ii)
- (B) (iv) (i) (iii) (v) (ii)
- (C) (ii) (iii) (iv) (v) (i)
- (D) (iii) (ii) (i) (vi) (v)

20. Match *List I* with *List II*.

<i>List I</i>	<i>List II</i>
(a) Selenium	(i) Green leafy vegetables
(b) Vitamin E	(ii) Garlic
(c) Flavonoids	(iii) Sea foods
(d) Lycopene	(iv) Tomato
	(v) Sunflower seeds

Codes:

- (a) (b) (c) (d)
- (A) (v) (ii) (iv) (iii)
- (B) (ii) (iv) (iii) (v)
- (C) (iii) (v) (ii) (iv)
- (D) (iv) (iii) (ii) (v)

21. Match the following diseases in *List I* with their symptoms in *List II*.

<i>List I</i>	<i>List II</i>
(a) Diabetes	(i) Hypercholesterolemia
(b) Atherosclerosis	(ii) Heart burn
(c) Nephrotic syndrome	(iii) Glycosuria
(d) Cirrhosis	(iv) Ascites
	(v) Proteinurea

Codes :

- (a) (b) (c) (d)
- (A) (v) (iv) (iii) (i)
- (B) (iii) (i) (v) (iv)
- (C) (i) (v) (iv) (iii)
- (D) (iv) (v) (iii) (i)

22. Match the yarn given in *List I* with their description given in *List II*.

<i>List I</i>	<i>List II</i>
(a) Crepe yarns	(i) Made from 2 plies of different colour count and twist
(b) Chenille yarns	(ii) High level of twist
(c) Corkscrew yarns	(iii) Strips of woven leno-fabric
(d) Flock yarns	(iv) Unevenly twisted yarns
	(v) Single yarns with small tufts of fibers added at intervals

Codes:

- (a) (b) (c) (d)
 (A) (ii) (iii) (i) (v)
 (B) (v) (i) (ii) (iii)
 (C) (iii) (ii) (v) (i)
 (D) (i) (v) (iii) (ii)

23. Match the symbols in *List I* with words in *List II*.

<i>List I</i>	<i>List II</i>
(a) \bar{X}	(i) Sample mean
(b) μ	(ii) Standard deviation of sample
(c) ρ	(iii) Population mean
(d) σ	(iv) Probability
	(v) Standard deviation of population

Codes:

- (a) (b) (c) (d)
 (A) (v) (iv) (iii) (i)
 (B) (iv) (iii) (v) (i)
 (C) (iii) (i) (iv) (v)
 (D) (i) (iii) (iv) (v)

24. Match the Physiological groups given *List I* with RDA of iron in *List II*.

<i>List I</i> (Physiological group)	<i>List II</i> (RDA of iron mg/day)
(a) Adult man	(i) 21
(b) Pregnancy	(ii) 27
(c) Lactation	(iii) 17
(d) 13-15 yrs. girl	(iv) 26
(e) 16-17 yrs. boy	(v) 35
	(vi) 28

Codes:

- (a) (b) (c) (d) (e)
 (A) (iv) (v) (i) (ii) (vi)
 (B) (vi) (ii) (i) (v) (iv)
 (C) (v) (iv) (ii) (i) (vi)
 (D) (ii) (i) (vi) (v) (iv)

25. Krishi Vigyan Kendras were initiated for

- (A) Promoting credit facilities among college students
 (B) Promoting credit facilities among farmers
 (C) Promoting vocational training among farmers
 (D) Promoting agriculture among school students

26. While washing cotton fabrics colour can be prevented from bleaching by using

- (A) Lisapol
 (B) Vinegar
 (C) Common Salt
 (D) Sodium Carbonate

27. Give the correct full form of SASMIRA.

- (A) Silk and Art Silk Mills and Research Association
 (B) Standards and Specifications of Mills and Research Association
 (C) Silk and Synthetic Mills and Research Association
 (D) Synthetic and Art Silk Mills and Research Association

28. The active form of Vitamin D is

- (A) Cholecalciferol
- (B) Ergocalciferol
- (C) Ergosterol
- (D) Dihydroxychole calciferol

29. The RDA of Vitamin A for pregnant women given by ICMR (2010) is

- (A) 400 $\mu\text{g}/\text{day}$
- (B) 600 $\mu\text{g}/\text{day}$
- (C) 950 $\mu\text{g}/\text{day}$
- (D) 800 $\mu\text{g}/\text{day}$

30. Following is the richest source of dietary fibre:

- (A) Ladies-finger
- (B) Fresh Dates
- (C) Green Peas
- (D) Pomegranate

31. Identify which of the following groups of foods have a glycemic index of $> 50\%$.

- (i) Oats
- (ii) Rice
- (iii) Apple
- (iv) Sweet Potato
- (v) Banana
- (vi) Rajmah

Codes:

- (A) (ii) (iv) (v)
- (B) (v) (iv) (vi)
- (C) (iii) (iv) (ii)
- (D) (vi) (v) (iv)

32. Which of the following are considered to be the moist heat methods of cooking?

- (i) Simmering
- (ii) Boiling
- (iii) Stewing
- (iv) Steaming
- (v) Sauteing

Find the correct combination according to codes:

- (A) (iii) (i) and (iv)
- (B) (iv) (iii) and (i)
- (C) (iv) (i) and (iii)
- (D) (i) (iii) and (iv)

33. The pictorial view of the proposed house is called

- (A) Perspective plan
- (B) Floor plan
- (C) Cross section plan
- (D) Elevation plan

34. Give the correct sequence for manufacturing of Rayon.

- (i) Spinning
- (ii) Steeping
- (iii) Dissolving
- (iv) Shredding
- (v) Xanthation
- (vi) Ageing

- (A) (i) (iii) (v) (vi) (iv) (ii)
- (B) (iv) (ii) (v) (iii) (i) (vi)
- (C) (ii) (iv) (vi) (v) (iii) (i)
- (D) (v) (i) (iii) (ii) (vi) (v)

35. Which one of the following food has richest source of ω -3 fatty acids?

- (A) Groundnut
- (B) Olives
- (C) Flax seed
- (D) Coconut

36. Major function of zinc in the human body is
 (A) Vision
 (B) Haemoglobin synthesis
 (C) DNA and RNA synthesis
 (D) Bone health
37. Which is not a cereal among the following?
 (A) Rice
 (B) Green gram
 (C) Corn
 (D) Jowar
38. In the preparation of paneer from milk, the pH at which casein precipitate is
 (A) 3.0
 (B) 4.6
 (C) 6.5
 (D) 7.5
39. Arrange the following foods in decreasing order of vitamin B₁₂ content.
 (i) Milk
 (ii) Mutton
 (iii) Liver
 (iv) Fish
- Codes:
 (A) (i) (ii) (iv) (iii)
 (B) (ii) (iv) (i) (iii)
 (C) (iii) (iv) (ii) (i)
 (D) (iv) (ii) (i) (iii)
40. India's oldest newspaper is
 (A) Times of India
 (B) Bombay Samachar
 (C) Hindustan Times
 (D) The Telegraph
41. Among the following grains which contains highest amount of calcium?
 (A) Rice
 (B) Maize
 (C) Jowar
 (D) Finger millet
42. Among following cereals which contains retrograded starch?
 (A) Raw Rice
 (B) Brown Rice
 (C) Parboiled Rice
 (D) Soaked Rice
43. Following is a Sulphur containing amino acid:
 (A) Lysine
 (B) Methionine
 (C) Phenyl alanine
 (D) Valine
44. Ericson, Williamson, Wrenn, Hahn and Mclean propose the type of counselling
 (A) Formal
 (B) Non-directive
 (C) Directive
 (D) Electric
45. Perhaps most important form of guidance a child sees in his parents
 (A) Conflict
 (B) Love
 (C) Respect
 (D) Behaviour models

46. The forms of punishment can take

- (i) Fines
- (ii) Detention
- (iii) Rustication
- (iv) Corporal punishment

Find the correct combination according to codes:

- (A) (ii) (iv) (i) (iii)
- (B) (iv) (i) (iii) (ii)
- (C) (iii) (ii) (i) (iv)
- (D) (i) (iii) (iv) (ii)

47. Why is it so important to quote people in order to understand what someone means?

- (A) Structural meaning
- (B) Contextual meaning
- (C) Denotative meaning
- (D) Connotative meaning

48. Charts can be

- (i) Suspense chart
- (ii) Strip tease chart
- (iii) Pictorial
- (iv) Organizational, flowchart

Find the correct combination according to codes:

- (A) (ii) (i) (iv) (iii)
- (B) (iv) (ii) (i) (iii)
- (C) (i) (iv) (iii) (ii)
- (D) (iii) (iv) (i) (ii)

49. Emulsifying agent found in food is

- (A) Lecithin
- (B) Caffein
- (C) Trypsin
- (D) Gluten

50. Give the correct sequence of steps involved in bread making.

- (i) Proofing
- (ii) Punching the dough
- (iii) Making the dough with flour
- (iv) Baking
- (v) Rising the dough
- (vi) Adding yeast to warm milk

Find the correct combination according to codes:

- (A) (v) (ii) (iv) (i) (vi) (iii)
- (B) (ii) (v) (i) (iv) (iii) (vi)
- (C) (i) (iv) (ii) (v) (iii) (vi)
- (D) (vi) (iii) (v) (ii) (i) (iv)

2317-II

X-10

ROUGH WORK

X-11

2317-II

ROUGH WORK

2317-II

X-12

ROUGH WORK