

Test Paper : II

Test Subject : HOME SCIENCES

Test Subject Code : K-3018

Roll No.

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(Figures as per admission card)

OMR Sheet No. : \_\_\_\_\_

TEST BOOKLET SERIAL NO.

**Name & Signature of Invigilator/s**

Signature : \_\_\_\_\_

Name : \_\_\_\_\_

Time : 2 Hours

Maximum Marks : 200

Number of Pages in this Booklet : 16

Number of Questions in this Booklet : 100

**ಅಭ್ಯರ್ಥಿಗಳಿಗೆ ಸೂಚನೆಗಳು**

- ಈ ಪುಟದ ಮೇಲ್ಭಾಗದಲ್ಲಿ ಒದಗಿಸಿದ ಸ್ಥಳದಲ್ಲಿ ನಿಮ್ಮ ರೋಲ್ ನಂಬರನ್ನು ಬರೆಯಿರಿ.
- ಈ ಪತ್ರಿಕೆಯು ಬಹು ಆಯ್ಕೆ ವಿಧದ ನೂರು (100) ಪ್ರಶ್ನೆಗಳನ್ನು ಒಳಗೊಂಡಿದೆ.
- ಪರೀಕ್ಷೆಯ ಪ್ರಾರಂಭದಲ್ಲಿ ಪ್ರಶ್ನೆ ಪುಸ್ತಿಕೆಯನ್ನು ನಿಮಗೆ ನೀಡಲಾಗುವುದು. ಮೊದಲ 5 ನಿಮಿಷಗಳಲ್ಲಿ ನೀವು ಪುಸ್ತಿಕೆಯನ್ನು ತೆರೆಯಲು ಮತ್ತು ಕೆಳಗಿನಂತೆ ಕಡ್ಡಾಯವಾಗಿ ಪರೀಕ್ಷಿಸಲು ಕೋರಲಾಗಿದೆ.
  - ಪ್ರಶ್ನೆಪುಸ್ತಿಕೆಗೆ ಪ್ರವೇಶಾವಕಾಶ ಪಡೆಯಲು, ಈ ಹೊದಿಕೆ ಪುಟದ ಅಂಚಿನ ಮೇಲಿರುವ ಪೇಪರ್ ಸೀಲನ್ನು ಹರಿಯಿರಿ. ಸ್ವಿಕ್ಟರ್ ಸೀಲ್ ಇಲ್ಲದ ಅಥವಾ ತೆರೆದ ಪುಸ್ತಿಕೆಯನ್ನು ಸ್ವೀಕರಿಸಬೇಡಿ.
  - ಪುಸ್ತಿಕೆಯಲ್ಲಿನ ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ ಮತ್ತು ಪುಟಗಳ ಸಂಖ್ಯೆಯನ್ನು ಮುಖಪುಟದ ಮೇಲೆ ಮುದ್ರಿಸಿದ ಮಾಹಿತಿಯೊಂದಿಗೆ ತಾಳಿ ನೋಡಿರಿ. ಪುಟಗಳು/ಪ್ರಶ್ನೆಗಳು ಕಾಣೆಯಾದ ಅಥವಾ ದ್ವಿಪ್ರತಿ ಅಥವಾ ಅನುಕ್ರಮವಾಗಿಲ್ಲದ ಅಥವಾ ಇತರ ಯಾವುದೇ ವ್ಯತ್ಯಾಸದ ದೋಷಪೂರಿತ ಪುಸ್ತಿಕೆಯನ್ನು ಕೂಡಲೆ 5 ನಿಮಿಷದ ಅವಧಿ ಒಳಗೆ, ಸಂವಿಧಾನದಿಂದ ಸರಿ ಇರುವ ಪುಸ್ತಿಕೆಗೆ ಬದಲಾಯಿಸಿಕೊಳ್ಳಬೇಕು. ಆ ಬಳಿಕ ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯನ್ನು ಬದಲಾಯಿಸಲಾಗುವುದಿಲ್ಲ, ಯಾವುದೇ ಹೆಚ್ಚು ಸಮಯವನ್ನೂ ಕೊಡಲಾಗುವುದಿಲ್ಲ.
- ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ (A), (B), (C) ಮತ್ತು (D) ಎಂದು ಗುರುತಿಸಿದ ನಾಲ್ಕು ಪರ್ಯಾಯ ಉತ್ತರಗಳಿವೆ. ನೀವು ಪ್ರಶ್ನೆಯ ಎದುರು ಸರಿಯಾದ ಉತ್ತರದ ಮೇಲೆ, ಕೆಳಗೆ ಕಾಣಿಸಿದಂತೆ ಅಂಡಾಕೃತಿಯನ್ನು ಕಪ್ಪಾಗಿಸಬೇಕು.

ಉದಾಹರಣೆ :  (A)  (B)  (C)  (D)

(C) ಸರಿಯಾದ ಉತ್ತರವಾಗಿದ್ದಾಗ.
- ಈ ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯು ಜೊತೆಯಲ್ಲಿ ಕೊಟ್ಟಿರುವ OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ನಿಮ್ಮ ಉತ್ತರಗಳನ್ನು ಸೂಚಿಸತಕ್ಕದ್ದು. OMR ಹಾಳೆಯಲ್ಲಿ ಅಂಡಾಕೃತಿಯಿಲ್ಲದ ಬೇರೆ ಯಾವುದೇ ಸ್ಥಳದಲ್ಲಿ ಉತ್ತರವನ್ನು ಗುರುತಿಸಿದರೆ, ಅದರ ಮಾಲ್ಯಮಾಪನ ಮಾಡಲಾಗುವುದಿಲ್ಲ.
- OMR ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಕೊಟ್ಟ ಸೂಚನೆಗಳನ್ನು ಜಾಗರೂಕತೆಯಿಂದ ಓದಿರಿ.
- ಎಲ್ಲಾ ಕರಡು ಕೆಲಸವನ್ನು ಪುಸ್ತಿಕೆಯ ಕೊನೆಯಲ್ಲಿ ಮಾಡತಕ್ಕದ್ದು.
- ನಿಮ್ಮ ಗುರುತನ್ನು ಬಹಿರಂಗಪಡಿಸಬಹುದಾದ ನಿಮ್ಮ ಹೆಸರು ಅಥವಾ ಯಾವುದೇ ಚಿಹ್ನೆಯನ್ನು, ಸಂಗತವಾದ ಸ್ಥಳ ಹೊರತು ಪಡಿಸಿ, OMR ಉತ್ತರ ಹಾಳೆಯ ಯಾವುದೇ ಭಾಗದಲ್ಲಿ ಬರೆದರೆ, ನೀವು ಅನರ್ಹತೆಗೆ ಬಾಧ್ಯರಾಗುತ್ತೀರಿ.
- ಪರೀಕ್ಷೆಯು ಮುಗಿದನಂತರ, ಕಡ್ಡಾಯವಾಗಿ OMR ಉತ್ತರ ಹಾಳೆಯನ್ನು ಸಂವಿಧಾನದಿಂದ ನೀವು ಹಿಂತಿರುಗಿಸಬೇಕು ಮತ್ತು ಪರೀಕ್ಷಾ ಕೊಠಡಿಯ ಹೊರಗೆ OMRನ್ನು ನಿಮ್ಮೊಂದಿಗೆ ಕೊಂಡೊಯ್ಯಕೂಡದು.
- ಪರೀಕ್ಷೆಯ ನಂತರ, ಪರೀಕ್ಷಾ ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯನ್ನು ಮತ್ತು ನಕಲು OMR ಉತ್ತರ ಹಾಳೆಯನ್ನು ನಿಮ್ಮೊಂದಿಗೆ ತೆಗೆದುಕೊಂಡು ಹೋಗಬಹುದು.
- ನೀಲಿ/ಕಪ್ಪು ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ ಮಾತ್ರವೇ ಉಪಯೋಗಿಸಿರಿ.
- ಕ್ಯಾಲ್ಕುಲೇಟರ್, ವಿದ್ಯುನ್ಮಾನ ಉಪಕರಣ ಅಥವಾ ಲಾಗ್ ಟೇಬಲ್ ಇತ್ಯಾದಿಯ ಉಪಯೋಗವನ್ನು ನಿಷೇಧಿಸಲಾಗಿದೆ.
- ಸರಿ ಅಲ್ಲದ ಉತ್ತರಗಳಿಗೆ ಋಣ ಅಂಕ ಇರುವುದಿಲ್ಲ.
- ಕನ್ನಡ ಮತ್ತು ಇಂಗ್ಲೀಷ್ ಆವೃತ್ತಿಗಳ ಪ್ರಶ್ನೆಪತ್ರಿಕೆಗಳಲ್ಲಿ ಯಾವುದೇ ರೀತಿಯ ವ್ಯತ್ಯಾಸಗಳು ಕಂಡುಬಂದಲ್ಲಿ, ಇಂಗ್ಲೀಷ್ ಆವೃತ್ತಿಗಳಲ್ಲಿರುವುದೇ ಅಂತಿಮವೆಂದು ಪರಿಗಣಿಸಬೇಕು.

**Instructions for the Candidates**

- Write your roll number in the space provided on the top of this page.
- This paper consists of Hundred multiple-choice type of questions.
- At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below :
  - To have access to the Question Booklet, tear off the paper seal on the edge of the cover page. Do not accept a booklet without sticker seal or open booklet.
  - Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got 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.
- Each item has four alternative responses marked (A), (B), (C) and (D). You have to darken the circle as indicated below on the correct response against each item.

Example :  (A)  (B)  (C)  (D)

where (C) is the correct response.
- Your responses to the questions are to be indicated in the OMR Sheet kept inside this Booklet. If you mark at any place other than in the circles in the OMR Sheet, it will not be evaluated.
- Read the instructions given in OMR carefully.
- Rough Work is to be done in the end of this booklet.
- If you write your name or put any mark on any part of the OMR Answer Sheet, except for the space allotted for the relevant entries, which may disclose your identity, you will render yourself liable to disqualification.
- You have to return the test OMR Answer Sheet to the invigilators at the end of the examination compulsorily and must NOT carry it with you outside the Examination Hall.
- You can take away question booklet and carbon copy of OMR Answer Sheet after the examination.
- Use only Blue/Black Ball point pen.
- Use of any calculator, electronic gadgets or log table etc., is prohibited.
- There is no negative marks for incorrect answers.
- In case of any discrepancy found in the Kannada translation of a question booklet the question in English version shall be taken as final.

**HOME SCIENCES****Paper – II**

**Note :** This paper contains **hundred (100)** objective type questions. **Each** question carries **two (2)** marks. **All** questions are **compulsory**.

1. The organism associated with contamination of milk and milk products  
(A) bacillus cereus, c. jejuni  
(B) E-coli and c. perfringens  
(C) bacillus cereus, E-coli and salmonella spp.  
(D) c. perfringens, clostridium perfringens

2. Trans fatty acids are found in oils and fats which have undergone the following processing treatment  
(A) desaturation  
(B) hydrogenation  
(C) pasteurization  
(D) solidification

3. Good taste in a dress comes from  
a. consideration of beauty  
b. correct choice of fabrics  
c. visual perception  
d. climate

**Codes :**

- (A) (a), (c)            (B) (a), (b), (c)  
(C) (a), (d)            (D) (a), (c), (d)

4. **Assertion (A) :** Right clothes are necessary for good health pose and self respect of an individual.

**Reason (R) :** Desires and wants are unlimited and a good clothing plan needs both.

**Codes :**

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

5. **Assertion (A) :** Time is very limited resource and it should be properly managed to get maximum utilisation.

**Reason (R) :** Account keeping helps in maximising utilisation of time.

**Codes :**

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

6. Match the List – I with List – II.

**List – I**

- a. Visual Effort  
b. Mental Effort  
c. Manual Effort  
d. Pedal Effort

**List – II**

- i. Moving from place to place  
ii. Reaching and lifting  
iii. Decision making  
iv. Estimating distance

**Codes :**

- |     | <b>a</b> | <b>b</b> | <b>c</b> | <b>d</b> |
|-----|----------|----------|----------|----------|
| (A) | (iv)     | (iii)    | (ii)     | (i)      |
| (B) | (iii)    | (iv)     | (i)      | (ii)     |
| (C) | (ii)     | (iii)    | (iv)     | (i)      |
| (D) | (i)      | (iv)     | (ii)     | (iii)    |

7. A child born with genital that are not clearly male or female is called

- (A) Ovarian abnormality  
(B) Sperm abnormality  
(C) Ambiguous genitalia  
(D) Variocele

8. The concept of multiple intelligence has been introduced by

- (A) Joan Piaget (B) Howard Gardner  
(C) Havighurst (D) Michael cole



9. Match the List – I with List – II.

- | List – I | List – II  |
|----------|--|
| a. IRDP  | i. National Adult Education Programme started in the year 1978 to enable the masses to play an active role in social and cultural change.        |
| b. ANP   | ii. Integrated Rural Development Programme started in the year 1976 for optimum use of available local resources through science and technology. |
| c. ICDS  | iii. Applied Nutrition Programme aims at imparting nutrition education to the individuals, families and the entire village.                      |
| d. NAEP  | iv. Integrated Child Development Scheme started in the year 1975 to provide the necessary requirement for the healthy growth of the children.    |

**Codes :**

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

10. **Assertion (A) :** The Community Development Programme aimed at developing the rural sector towards economic development, social justice and democratic growth.

**Reason (R) :** Through extension education utilization of human potential to its maximum capacity can be achieved.

**Codes :**

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

11. During prolonged fasting, the brain shifts from utilizing glucose to ketone bodies for the following reason

- (A) to spare protein catabolism
- (B) to conserve glycogen stores
- (C) to maintain blood glucose level
- (D) to spare protein synthesis

12. Starch gel is

- (A) an emulsion of starch and water
- (B) an reversible colloid
- (C) a suspension of starch in water
- (D) an irreversible colloid

13. Give the correct sequence of attaching a facing on the neckline :

- a. Neatening the seam allowance.
- b. Stitching the facing on neckline.
- c. Slitting the seam allowance.
- d. Edge stitching the facing.

**Codes :**

- (A) b, c, d, a      (B) a, b, c, d
- (C) d, c, b, a      (D) b, c, a, d

14. Match the items in List – I with List – II.

- | List – I         | List – II           |
|------------------|---------------------|
| a. Notches       | i. Front Arm hole   |
| b. Single notch  | ii. Cutting line    |
| c. Double notch  | iii. Stitching line |
| d. Balance marks | iv. Back Arm hole   |

**Codes :**

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



15. Match the List – I with List – II.

**List – I**

- a. Hallmark
- b. BIS
- c. Ecomark
- d. FSSAI

**List – II**

- i. Food product
- ii. Jute Bags
- iii. Pressure cooker
- iv. Gold items

**Codes :**

	<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>
(A)	(iii)	(ii)	(i)	(iv)
(B)	(iv)	(ii)	(i)	(iii)
(C)	(iv)	(iii)	(ii)	(i)
(D)	(ii)	(i)	(iii)	(iv)

16. Where is Teflon coated product used commonly ?

- (A) utensils
- (B) floor finish
- (C) wall finish
- (D) furniture

17. The agency which assists in universal and compulsory primary education, promotion of science and technology

- (A) UNICEF
- (B) UNESCO
- (C) ANP
- (D) ICDS

18. Sensory training during early childhood years is a basic principle of

- (A) Piagetarian method
- (B) Frobel's method
- (C) Dorothy's method
- (D) Montessori method

19. Literacy programmes should be linked to all development plan of the country according to the report of

- (A) Kothari
- (B) Teheran
- (C) Mark Blaug
- (D) Elizabeth Maccia

20. Curriculum is a means to realize :

- a. Educational Philosophy
- b. Needs
- c. Objectives
- d. Values

**Codes :**

- (A) (c), (d)
- (B) (a), (b), (c)
- (C) (a), (b), (c), (d)
- (D) (a), (c)

21. **Assertion (A)** : Measuring plasma enzymes activity is an important tool in diagnosis and monitoring of treatment.

**Reason (R)** : Intracellular enzymes are released into plasma, due to increased synthesis and secretion giving clues about organ dysfunction or diseases.

**Codes :**

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

22. **Assertion (A)** : Fermentation in food processing, converts carbohydrates to alcohol using microorganisms.

**Reason (R)** : Food fermentation preserves foods.

**Codes :**

- (A) Both (A) and (R) are incorrect
- (B) (A) is correct, but (R) is not correct explanation of (A)
- (C) (A) is incorrect, but (R) is correct
- (D) Both (A) and (R) are correct



**23. Assertion (A) :** The design is the plan of study in research making decisions before a situation arises and bringing an unexpected situation under control.

**Reason (R) :** The purpose of research design is to provide answer to research question.

**Codes :**

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

**24.** In experimental research variables are classified into :

- a. Dependent
- b. Independent
- c. Continuous
- d. Broken

**Codes :**

- (A) (a), (b)
- (B) (c), (d)
- (C) (b), (c)
- (D) (a), (b), (c), (d)

**25.** State the sequence of Human Resource planning :

- a. Demand Forcast
- b. Orientation and training
- c. Supply Forcast
- d. Recruitment and selection

**Codes :**

- (A) (a), (b), (c), (d)
- (B) (a), (c), (d), (b)
- (C) (d), (c), (a), (b)
- (D) (b), (a), (c), (d)

**26.** Insurance is the protection against

- (A) Inflation
- (B) Risk
- (C) Ill health
- (D) Depression

**27.** A challenged and dependant child needs

- a. Support
- b. Training
- c. Gifts
- d. Intervention

**Codes :**

- (A) (a), (b) and (d)
- (B) (a), (b) and (c)
- (C) (a), (c) and (d)
- (D) (b), (c) and (d)

**28.** Language development in children is promoted through

- a. Conversation
- b. Solitary play
- c. Story telling
- d. Social interaction

- (A) a, b and d
- (B) a, b and c
- (C) b, c and d
- (D) a, c and d

**29. Assertion (A) :** Educational Guidance is intended for education selection.

**Reason (R) :** Education Guidance may not be suitable for either morons, brilliant chap or special class of person.

**Codes :**

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

**30.** Researches on the memorizing of facts have put forth the following conclusions, wherein the best method of learning is listed as

- (A) Recitation, speed and unspace reading time
- (B) Recitation, part and whole reading, conduct of seminars
- (C) Change mode of reading and increase recitation
- (D) Conduct of tests, reading regularly



31. Match the following polysaccharides with their characteristic feature.

**List – I**

- a. Cellulose
- b. Glycogen
- c. Starch
- d. Chondroitin sulfate
- e. Hyaluronic acid

**List – II**

- i. first supply of glucose in diet
- ii. lubricant in the joints
- iii. structure similar to amylopectin
- iv. found in cartilages and tendons
- v. linear polymer of D-glucose

**Codes :**

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

32. Match List – I with List – II for traditional textiles.

**List – I**

- a. Kasuti
- b. Phulkari
- c. Ikat
- d. Chungudi

**List – II**

- i. Tamil Nadu
- ii. Orissa
- iii. Punjab
- iv. Karnataka

**Codes :**

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

33. Which of the following are true ?

- a. Kutch embroidery is from Gujarat.
- b. Chikankari is done on Muslin only.
- c. Tie and Dye technique is used in Bandhini.
- d. Ilkal sarees are produced by Madhya Pradesh.

**Codes :**

- (A) (a), (c)      (B) (d), (b)
- (C) (a), (d)      (D) (b), (c)

34. The rules and regulation covering the requirement for ensuring the safety of public is called

- (A) ISI
- (B) Building by-laws
- (C) National building code
- (D) Town planning

35. Give the correct sequence of Budget planning.

- a. Estimate the income of the family.
- b. Estimate the cost of the expenditure item.
- c. Balance income and expenditure.
- d. List the expenditure item.

**Codes :**

- (A) (a) (b) (c) (d)
- (B) (c) (b) (a) (d)
- (C) (a) (c) (b) (d)
- (D) (d) (b) (a) (c)

36. The theorists that extended the work of psychoanalytic theorist Freud are

- a. Carl Jung
- b. Karen Horney
- c. Erik Erikson
- d. Sandra Bern

**Codes :**

- (A) a, b and c      (B) b, c and d
- (C) a, c and d      (D) a, b and d



37. Which of the following Acts are concerned to marriage ?
- Hindu Marriage Act
  - Special Marriage Act
  - Hindu Succession Act
  - Indian Divorce Act

**Codes :**

- (A) a, b and c    (B) b, c and d  
(C) a, c and d    (D) a, b and d

38. Mention the qualities of an Entrepreneur :
- Opportunity explorer
  - Achiever
  - Supply loans
  - Problem solver
  - Copy production process for production of low quality items
  - Creative thinker

**Codes :**

- (A) a, c, e, f    (B) a, b, d, f  
(C) c, d, e, f    (D) b, d, e, f

39. **Assertion (A)** : The major objectives of pre-investment phase of project life cycle are demand forecasting, selection of optimal strategy and evaluation of inputs.

**Reason (R)** : The project idea is developed, in the pre-investment phase of project life cycle but steps on investment proposition is not carried out.

**Codes :**

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

40. Identify the responsibilities of a chief dietitian
- budgeting and planning only
  - budgeting, purchasing, planning, preparing and service
  - budgeting, purchasing and service
  - purchasing and planning

41. Adverse drug effects are most likely when
- multiple medications are used
  - generic drugs are substituted for brand-name drugs
  - medications are taken in excess
  - patients are not physically active

42. **Assertion (A)** : Bicomponent fibres are composed of two variants or modifications of the same generic fibre type in recent trends of fibre production.

**Reason (R)** : New minofil fibres gives better performance and strength to the fabrics.

**Codes :**

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

43. Resiliency of the fibre is the ability of a fibre to return from deformation after sometime :
- Compression
  - Bending
  - Greasing
  - Elongation

**Codes :**

- (A) (a), (b), (c), (d)  
(B) (a), (b)  
(C) (c), (b)  
(D) (a), (b), (c)



44. State which is true.
- All resources are limited.
  - All resources can be borrowed and saved.
  - Managerial process can be applied to all resources.
  - All resources are inherent in a person.

**Codes :**

- (A) (c), (d)      (B) (a), (c)  
(C) (a), (b)      (D) (a), (d)

45. Government Hospital is the example for
- Human Resource
  - Non Human Resource
  - Community Resource
  - Natural Resource

46. **Assertion (A) :** Female feticide and infanticides are the most common social evils prevailing in India.

**Reason (R) :** This evil is outcome of poverty, illiteracy and gender discrimination.

**Codes :**

- (A) A is false and R is true  
(B) A is true and R is false  
(C) A and R are true  
(D) A and R are false

47. **Assertion (A) :** The case history technique is utilized by child guidance clinics and hospitals for the mentally ill.

**Reason (R) :** Mentally ill patients are benefitted from case history.

**Codes :**

- (A) A is true and R is false  
(B) A is false and R is true  
(C) Both A and R are true  
(D) Both A and R are false

48. MSME stands for

- Micro, Small and Medium Enterprise
- Mini, Small and Medium Enterprise
- Micro, Small and Medium Entrepreneurship
- Mini, Small and Medium Enterprises department

49. Match the experts in List – I with their roles in List – II.

**List – I**

- a. Teacher

- b. Research worker

- c. Extension worker

- d. Entrepreneur

**List – II**

- i. Anticipating and predicating probable actions and discussing freely with subordinates

- ii. Remaining motivated in difficult times and accepting failures

- iii. Problem solver and creative thinker

- iv. Easy go–luckyperson who has to study the need of the hour and plan to gain profit with little investment

- v. Keep personal contact with the group and maintain democratic atmosphere

**Codes :**

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

50. **Assertion (A) :** Association between 2 variables can be explored by statistical means.

**Reason (R) :** Association of variables or factors forms the basis for preventive action.

**Codes :**

- (A) (A) is correct and (R) is the correct explanation  
(B) Both (A) and (R) are incorrect statements  
(C) (A) is incorrect, but (R) is correct statement  
(D) (A) is correct, but (R) is incorrect explanation





51. Match the following items in List – I with the correct indicator of the terminology.

List – I		List – II	
a. Bio terrorism	i. indicator of harm to health		
b. Endemic	ii. microbial food poisoning		
c. Food hazard	iii. bacterial poisons		
d. Food risk	iv. food borne pathogens		
	v. low to average disease expression		

Codes :

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

52. Example of fourth generation fibers are  
 (A) Para aramid fiber and PAN  
 (B) High tenacity polyethylene and Nylon  
 (C) Glass and ceramic fibers  
 (D) Polyacrylonitrile and carbon fiber

53. The major properties to be measured to approve the quality of carpets are  
 (A) Carpet count, yarn count and type of yarn  
 (B) Durability, retention of appearance, pile height and density  
 (C) Washability, strength and thickness  
 (D) Length and width of the carpet, thickness and wettibility

54. Match List – I with List – II on colour psychology.

List – I		List – II	
a. Red	i. Warmth		
b. Green	ii. Cool		
c. Blue	iii. Stimulation		
d. Brown	iv. Spaciousness		

Codes :

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

55. Use of Blue, Blue Green and Green colours are example of  
 (A) Monochromatic colour scheme  
 (B) Analogous colour scheme  
 (C) Complementary colour scheme  
 (D) Triad colour scheme

56. **Assertion (A)** : Height of children below 2 years of age should be measured with infantometer.

**Reason (R)** : An Infantometer is used for children who cannot stand properly.

Codes :

- (A) Both A and R are true  
 (B) Both A and R are false  
 (C) A is false, but R is true  
 (D) A is true, but R is false

57. **Assertion (A)** : Adopting a child carries special challenges as the adoptive parents need to deal with integrating the child into the family.

**Reason (R)** : Adopted children are always problematic.

Codes :

- (A) A is true and R is false  
 (B) A is false and R is true  
 (C) Both A and R are true  
 (D) Both A and R are false

58. State the definition of publicity.

- (A) Non paid, non commercially news about a institutional event.  
 (B) Paid form of advertisement, to show the growth and development of a product.  
 (C) Any form of non paid commercially significant news about an idea, product or institution.  
 (D) Paid or non paid, commercial advertisement for the social benefit of mass.

59. The continuing education programme, post literacy programme and total literacy campaign are the three major programmes of

- (A) National Literacy Mission  
 (B) National Adult Education Program  
 (C) Mass Programme for Functional Literacy  
 (D) National Board of Adult Education



60. Nutritional epidemiology is the study of
- (A) Eating behavior and its influence on disease occurrence
  - (B) Eating behavior and its influence on etiology, occurrence, prevention and treatment of disease
  - (C) Eating behavior and its influence on lifestyle
  - (D) Lifestyle disorders and their risk factors

61. Anthropometry is the study of the following body measurements :
- a. Body Mass Index
  - b. Skin-fold test
  - c. Head circumference
  - d. Mid upper arm circumference
  - e. Waist to hip ratio

**Codes :**

- (A) b, c and d
- (B) a, b and d
- (C) c and d only
- (D) a, b, c, d and e

62. Globalisation and liberation has increased the number of consumer related issues. Which of the statements given below are major problems that consumers face today ?
- a. The change in variety of textile products and their end uses.
  - b. Extra information available for comparison.
  - c. Production without proper regulation on pricing.
  - d. Use of trade tricks to mislead the selection of correct product.
  - e. Assurance of the quality with label information.
  - f. Ignorance and illiteracy of consumers

**Codes :**

- (A) a, b, d, e, f    (B) a, c, d, e, f
- (C) a, c, d, f, e    (D) b, c, d, e, f

63. Match the years in List – I with the events in List – II.

**List – I**

- a. 1664
- b. 1884
- c. 1890
- d. 1710

**List – II**

- i. Production of first man-made fibers
- ii. Possibility of making silk filament out of germs and resins
- iii. Discovery of cellulose nitrate
- iv. Production of first man-made fiber from nitro cellulose
- v. Development of cuprammonium process for making rayon

**Codes :**

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

64. Rhythm is obtained by
- a. Repetition
  - b. Progression
  - c. Radiation
  - d. Alteration

**Codes :**

- (A) (a), (b)            (B) (c), (d)
- (C) (b), (c), (d)    (D) (a), (b), (c), (d)

65. Mundal clan of change involves
- a. Change in hand and body motions
  - b. Change in equipment, storage space
  - c. Change in product
  - d. Change in worker

**Codes :**

- (A) (a), (b), (c)    (B) (b), (c), (d)
- (C) (a), (c), (d)    (D) (c), (d), (a)



66. Arrange the following in order of establishment in correct sequence :
- The Hindu Marriage Act
  - The Equal Remuneration Act
  - Dowry Prohibition Act
  - The Medical Termination of Pregnancy Act
  - Domestic Violence Act

**Codes :**

- b, c, a, d and e
- a, c, b, e and d
- a, b, c, d and e
- a, c, d, b and e

67. Arrange the following of Piaget's cognitive stages :

- Formal
- Sensorimotor
- Concrete
- Preoperational

**Codes :**

- b, d, c and a
- b, a, d and c
- c, d, b and a
- d, b, a and c

68. Match the types of visual aids in List – I with their descriptions in List – II.

**List – I**

**List – II**

- |                    |   |
|--------------------|---|
| a. Flannel Board   | i. Non numerical pictorial presentation of data, simple to use            |
| b. Facsimile       | ii. Sticky backed visual board covered with felt                          |
| c. Magnetic Board  | iii. Used by executives and can transmit details through telephonic lines |
| d. Electro-writers | iv. Permit the use of heavier three dimensional visuals                   |
| e. Chart           | v. Mechanical media to make an exact copy                                 |

**Codes :**

- |     | <b>a</b> | <b>b</b> | <b>c</b> | <b>d</b> | <b>e</b> |
|-----|----------|----------|----------|----------|----------|
| (A) | (iv)     | (v)      | (iii)    | (ii)     | (i)      |
| (B) | (ii)     | (v)      | (iv)     | (iii)    | (i)      |
| (C) | (iii)    | (v)      | (ii)     | (iv)     | (i)      |
| (D) | (v)      | (i)      | (iii)    | (ii)     | (iv)     |

69. The components of videotex system are
- Telephone, Television set controller, Radio
  - Computer, Control keyboard, Broadcasting system and modem
  - Telephone, Television set, Keyboard controller, Computer and modem
  - Computer data base, Television set controller

70. Match the eating disorders in List – I with their behavior signs given in List – II.

**List – I**

**List – II**

- |                          |   |
|--------------------------|---|
| a. Anorexia nervosa      | i. purging and non purging types              |
| b. Bulimia nervosa       | ii. binge eating at a lesser frequency        |
| c. Binge eating disorder | iii. obesogenic eating                        |
| d. Disordered eating     | iv. recurrent episodes of binge eating        |
|                          | v. restricting and binge eating/purging types |

**Codes :**

- |     | <b>a</b> | <b>b</b> | <b>c</b> | <b>d</b> |
|-----|----------|----------|----------|----------|
| (A) | v        | i        | iv       | ii       |
| (B) | iii      | v        | i        | iv       |
| (C) | ii       | iii      | iv       | v        |
| (D) | v        | ii       | i        | iii      |

71. Match the vitamin in List – I to its characteristic given in List – II.

**List – I**

**List – II**

- |               |  |
|---------------|--|
| a. Vitamin E  | i. a known antioxidant, deficiency leads to scurvy |
| b. Niacin     | ii. adequate intake prevents NTD                   |
| c. Vitamin C  | iii. intracellular antioxidant                     |
| d. Folic acid | iv. precursor for coenzymes                        |
|               | v. functions as a cofactor                         |

**Codes :**

- |     | <b>a</b> | <b>b</b> | <b>c</b> | <b>d</b> |
|-----|----------|----------|----------|----------|
| (A) | iv       | ii       | v        | i        |
| (B) | iii      | iv       | i        | ii       |
| (C) | v        | iii      | iv       | i        |
| (D) | ii       | iii      | i        | iv       |



72. Give the correct sequence process for CAD apparel designing :
- Creation of 3D view of the objects required.
  - Creating of human body shape, colour, shoulder, slope and posture.
  - Setting the number of frames and path for movement.
  - Rendering the output file.
  - Sketching line and shape to form the garment shape.
  - Drawing directly on 3D model.
  - Projecting pictorial information on to the surface.

**Codes :**

- a, b, c, d, g, f, e
- a, f, g, b, c, d, e
- a, b, f, e, g, d, c
- b, f, e, d, a, c, g

73. The name given to fiber filling used to create warmth in garments is
- Warping
  - Wadding
  - Wefting
  - Coding

74. **Assertion (A) :** Goal setting is a continuous process.

**Reason (R) :** Values and standards give direction to the goals.

**Codes :**

- Both (A) and (R) are correct
- Both (A) and (R) are incorrect
- (A) is correct, (R) is incorrect
- (R) is correct, (A) is incorrect

75. Factors influencing modern family living are
- Globalisation.
  - Advanced technology.
  - Advanced communication network.
  - Changes in family norms.

**Codes :**

- (b), (c), (a)
- (c), (d), (a)
- (a), (b), (c), (d)
- (a), (b)

76. Match the terms in List – I with discription in List – II.

**List – I**

- Anorexia nervosa
- Moro reflex
- Dementia
- Addiction
- Pragmatism

**List – II**

- Learning by doing
- Psychological dependence
- Eating disorder
- Neurological maturity
- Neurological disorder

**Codes :**

- |     | <b>a</b> | <b>b</b> | <b>c</b> | <b>d</b> | <b>e</b> |
|-----|----------|----------|----------|----------|----------|
| (A) | ii       | v        | iv       | i        | iii      |
| (B) | iii      | iv       | v        | ii       | i        |
| (C) | iii      | v        | iv       | i        | ii       |
| (D) | v        | iii      | ii       | iv       | i        |

77. Match the organization in List – I with their area of function in List – II.

**List – I**

- SABLA
- JSSK
- Ujjawala
- STEP
- NRHM

**List – II**

- Training and skill upgradation
- Upliftment of health status
- Empowerment of working women
- Empowerment of adolescent girls
- Entitlements for pregnant women
- Prevent trafficking of women

**Codes :**

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

78. Adult Education is Home Science has helped people in the following ways :
- It raises the standard of living of a person.
  - It makes a person better aware of what is happening around him.
  - It empowers a person.
  - It helps people to contribute to the overall progress of the nation.

**Codes :**

- (a), (b)
- (c), (d)
- (a), (c)
- (a), (b), (c), (d)



79. Self employment and entrepreneurship gives scope to a woman to develop herself in
- Better communication.
  - Good decision making.
  - Better knowledge in planning, organising, directing and implementing.
  - Good management of resources.

**Codes :**

- (A) (a), (b)            (B) (a), (b), (c), (d)  
(C) (c), (d)            (D) (b), (c)

80. Arrange the steps used in planning of meals by using food exchange list :
- use the food exchanges for planning menu.
  - distribute the above food exchanges between meals.
  - estimate the amount of different food exchanges providing energy and protein.
  - record personal data for determining RDA.

**Codes :**

- (A) a, b, c, d            (B) c, a, b, d  
(C) d, b, c, a            (D) d, c, b, a

81. **Assertion (A) :** Hypertensive patients are advised to restrict intake of sodium rich foods.

**Reason (R) :** Sodium-restricted diets improve aldosterone activity.

**Codes :**

- (A) (A) is correct, but (R) is incorrect explanation  
(B) Both (A) and (R) are incorrect statements  
(C) (A) is incorrect, but (R) is correct  
(D) Both (A) and (R) are correct statements

82. **Assertion (A) :** Mono filament of conventional polyester filament is 2 – 3 denier.

**Reason (R) :** One denier is defined as the weight of a filament of 9,000 meters in length and is used to designate the coarseness of filament of raw silk or nylon.

**Codes :**

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

83. The contact angle of any liquid on to the surface of a fabric depends upon
- Evenness and roughness of the surface
  - The density of water/liquid
  - The temperature of the liquid and the structural arrangement of warp and weft yarns
  - Time of contact and wetting capacity

84. **Assertion (A) :** Ergonomics is the study of the man, machine and work environment.

**Reason (R) :** Helps in efficient execution of work.

**Codes :**

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

85. Work simplification helps in conserving
- Energy and time
  - Money and resource
  - Time and money
  - Environment

86. Match the day observed given in List – I with their respective dates given in List – II.

**List – I**

**List – II**

- |                       |                              |
|-----------------------|------------------------------|
| a. World Family Day   | i. 11 <sup>th</sup> July     |
| b. World Elderly Day  | ii. 3 <sup>rd</sup> December |
| c. Women's Day        | iii. 15 <sup>th</sup> May    |
| d. World Disabled Day | iv. 1 <sup>st</sup> October  |
|                       | v. 8 <sup>th</sup> March     |

**Codes :**

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

87. Match the following from List – I to the List – II.

**List – I**

**List – II**

- |                         |                                   |
|-------------------------|-----------------------------------|
| a. Klinefelter syndrome | i. XYY                            |
| b. Down's syndrome      | ii. Metabolic disorder            |
| c. Turner syndrome      | iii. XXY                          |
| d. Phenylketonuria      | iv. Trisomy 21 <sup>st</sup> pair |
|                         | v. XO                             |

**Codes :**

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



**88. Assertion (A) :** Panchayati Raj is a system of governance in which Grampanchayats are the basic units of local administration.

**Reason (R) :** It was introduced to promote rural self-governance and micromanagement at the village and block levels.

**Codes :**

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

**89. Match the elements of communication with their attributes.**

- | List – I    | List – II                |
|-------------|--------------------------|
| a. Source   | i. Knowledge             |
| b. Message  | ii. Seeing, hearing      |
| c. Channel  | iii. Content             |
| d. Receiver | iv. Communication skills |

**Codes :**

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

**90. Mid-day Meal Programme for school children between 6 – 11 year of age involves the following :**

- a. Growth monitoring
- b. Improve school attendance
- c. Provision of 450 K cals and 8 – 12 g protein/day
- d. Periodic immunization
- e. Supply of hot meals

**Codes :**

- (A) b, c, e
- (B) a, b, e
- (C) b, c, d
- (D) b, c, d, e

**91. Match the historic/ancient clothing items in List – I with the countries in List – II (where they are used) :**

- | List – I                               | List – II            |
|--|----------------------|
| a. Trunk Hose with Doublet             | i. Egyptian costume  |
| b. Tunic with Toga                     | ii. Greek costume    |
| c. Peplos and chiton                   | iii. French costume  |
| d. Skirt with long Mantle and Coiffure | iv. Roman costume    |
| e. Pelerine, Spencer and Pelisse       | v. Chinese costume   |
|  | vi. American costume |

**Codes :**

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

**92. In garment production units PPC stands for**

- (A) Pattern making, Placement and Cutting
- (B) Production, Planning and Control
- (C) Paper patterns, Placement of patterns and Cutting
- (D) Pattern placement, Pattern layout and Construction

**93. While selecting household equipment the following factors to be considered :**

- a. Cost
- b. Function
- c. Maintenance
- d. Certification

**Codes :**

- (A) (c), (b), (a)
- (B) (a), (b), (c), (d)
- (C) (a), (c)
- (D) (b), (c), (d)

**94. Which of the following care and precautions to be considered for gas cylinder ?**

- a. Cylinder should be stored in dry place.
- b. The release of gas into burner and ignition of the same should be done simultaneously.
- c. Defective parts should be changed immediately.
- d. The stove should be kept at higher platform to the cylinder.

**Codes :**

- (A) (a), (b), (c), (d)
- (B) (b), (c), (a)
- (C) (a), (c), (b)
- (D) (d), (a), (b)



95. Arrange the stages of child development in correct sequence :
- Prenatal
  - Antenatal
  - Neonatal
  - Toddlerhood
  - Infancy

**Codes :**

- (A) a, c, b, e and d (B) b, c, a, d and e  
(C) b, a, c, e and d (D) a, b, c, d and e

96. Arrange the developmental tasks during early childhood period sequentially :
- Learning to walk
  - Learning to talk
  - Bladder control
  - Learning gender differences
  - Distinguishing right and wrong

**Codes :**

- (A) c, b, a, d and e (B) a, c, e, b and d  
(C) b, a, c, e and d (D) b, c, d, e and a

Read the passage given below and answer Q. 97 to 100.

The prevalence and incidence of a disease are among the most fundamental measures in epidemiology. The prevalence of disease is the proportion of the population that has a given disease. This proportion is determined by how many people get the disease and how long they are ill, which is linked to how fast they recover or die. If fewer people get the disease or they recover faster, the prevalence of the disease will go down. However, if survival time with the disease increases without any change in recovery rate, the prevalence will increase. This is a common challenge for many chronic diseases, such as diabetes. Patient care improves so survival time increases, but the disease is not cured and patients may develop complications. The total burden of disease may increase.

Incidence rates represent the number of new cases of disease among the number of susceptible persons in a given location and over a particular span of time. The primary value of incidence rates is in studies of disease etiology, by comparing how the rates vary among different sub groups or with different exposures.

To provide prevalence and incidence rate estimates that are both reliable and generalizable, studies must include a sample large enough to capture most (if not all) cases and sufficiently distributed, both geographically and sociologically, to be representative of the general population with uncommon diseases, including most auto-immune rheumatic diseases, the challenge is multiplied because cases are fewer and harder to find. These factors necessitate surveys of even larger populations to achieve stable estimates, which in turn increase the cost, time and effort involved in executing such studies.

97. In which one of the following situations will the prevalence of a disease in the population increase, all else being constant ?
- If the incidence rate of the disease falls
  - If survival time with the disease increases
  - If recovery of the disease is faster
  - If the population in which the disease is measured increases
98. The study of incidence of a disease is helpful for following reasons :
- disease etiology.
  - to compare rates among subgroups.
  - to identify number of new cases.
  - to study mortality rates.

**Codes :**

- (A) b, c and d (B) a, b, c and d  
(C) a, b and c (D) a and c

99. Identify the correct statements :
- A large sample size is needed to arrive at reliable estimates for prevalence and incidence of a disease.
  - Rheumatic diseases are evenly distributed among all populations.
  - Study of a larger population is not cost-effective and labor intensive.
  - Survival time increases with patient care.

**Codes :**

- (A) c and d (B) a, c and d  
(C) b, c and d (D) a only

100. If survival time with the disease increases without any change in recovery rate
- the total burden of disease may decrease
  - the incidence of disease does not change
  - the disease prevalence will decrease
  - the disease prevalence will increase



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Space for Rough Work