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ANSWER KEY

TOTAL PAGES: 10

FIRST YEAR HIGHER SECONDARY EXAMINATION JUNE 2022

PART-I/II/III

SUBJECT: ECONOMICS

CODE NO: FJ35

VERSION: B

80 SCORES

2 1/2 HOURS

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
1.		Answer any 10 questions from 1 to 12 score 1	1	10
		b. Health system	1	
2.		a. Deforestation	1	
3.		d. Pilot survey	1	
4.		c. Arithmetic Mean	1	
5.		b. China	1	
6.		b -1 to +1	1	
7		b. Jail cost of living	1	
8.		b. qualitative classification	1	
9		c. ICMR	1	
10.		a. Retail Price	1	
11.		d. International Bank for Reconstruction and Development	1	
12.		(a) is the answer in English [large export surplus] (a) or (d) are the answers in Malayalam	1	
		Answer any 6 questions from 13 to 21 score 2 each		
13		sample survey → survey from a small representative groups	1	2
		census → complete enumeration	1	

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Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
18		A continuous variable can take any numerical value eg: Height, weight etc.	1 2x½	2
19.		Growth modernisation Self-reliance Equity	4x½	2
20		<u>Absolute measures</u> Range Standard deviation <u>Relative measures</u> co-efficient of variation co-efficient of range	2x½ 2x½	2
21		Animal husbandry Fisheries Horticulture Alternative livelihood (Any 2 points)	1 1	2
22		Answer any 5 questions from 22 to 28 <u>Score 3 each</u> It enables Present economic facts in a Precise and definite form condense mass data into a few numerical measures Finds relationship between different economic factors Predicting the changes in one economic factor due to changes in other factor Formulation of Plans and policies (Any 3 points)	3x1	3

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Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
23		<p>The questionnaire should not be too long questionnaire should be easy to understand should be arranged in order The questionnaire should be precise and clear The questions should not be ambiguous The questions should not used double negative [Any 3 points]</p>	<p>3x1</p>	3
24		<p>large increase in production due to high yield variety seeds use of fertilizer, pesticides, irrigation Two Phases 1965 to 1975, 1975 to 1985 First the crop wheat only (Consider relevant points)</p>	3x1	3
25.		<p>Range = $L - S$ $= 50 - 0 = 50$ coefficient of range = $\frac{L - S}{L + S}$ $= \frac{50 - 0}{50 + 0} = \frac{50}{50} = 1$</p>	<p>$\frac{1}{2}$ $\frac{1}{2}$ 1 1</p>	3
26		<p>should be clear about the purpose of index items to be included in the index number should be selected carefully Base year should be as normal as possible choice of formula sources of reliable data [Any 3 points]</p>	3x1	3

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
27		<u>Primary sector</u> b. Agriculture <u>Secondary sector</u> a. Electricity, gas, water supply d. construction f. Manufacturing <u>Service sector</u> e. Transport and storage c. Trade	1/2 1 1/2 1	3
28		Items - Cost in % Angular cement 30 108 Bricks 40 144 sand 20 72 miscellaneous 10 36 Drawing diagram correctly and labelling	1 2	3
29		Answer Any 3 questions from 29 to 33 score 4 each correct diagrams of positive correlation negative correlation perfect positive correlation perfect negative correlation	1 1 1 1	4
30		Various systems of Land settlement Zamindari system Revenue settlement low level of technology lack of irrigation facilities Negligible use of fertilizer (Any 4 Points)	4 x 1	4

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
31	a	Inclusive form of class interval:- Values equal to the lower and upper limit of a class are included in the frequency of that same class Exclusive class form of class interval:- Values equal to either the upper or the lower class limit is excluded from the frequency of that class	1 1	4
	b.	A Exclusive class B Inclusive class	1 1	
32.		Great Leap Forward Commune system Great proletarian cultural revolution Reforms in 1978 Special economic zones [Any 4 points]	4 x 1	4
33		Regulation of Market to create orderly and transparent marketing conditions - Provision of Physical infrastructural facilities - cooperative marketing - Policy instruments like minimum support price, Buffer stock etc.	1 1 1 1	4
34.		Answer Any 3 questions from 34 to 38 score 5 each Education Investment in health on the job training migration information Point with explanation 1 score each Point only 1/2 mark each	5 x 1	5

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score																												
35		<table border="1" style="display: inline-table; vertical-align: top;"> <thead> <tr> <th>x</th> <th>x²</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>100</td> </tr> <tr> <td>12</td> <td>144</td> </tr> <tr> <td>14</td> <td>196</td> </tr> <tr> <td>13</td> <td>169</td> </tr> <tr> <td>16</td> <td>256</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black;">865</td> </tr> </tbody> </table> $\bar{x} = \frac{\sum x}{n} = \frac{65}{5} = 13$ $SD = \sqrt{\frac{\sum x^2}{n} - \left(\frac{\sum x}{n}\right)^2}$ $= \sqrt{\frac{865}{5} - \left(\frac{65}{5}\right)^2}$ $= \sqrt{173 - 169} = \sqrt{4} = 2$ $CV = \frac{SD}{\bar{x}} \times 100$ $\frac{2}{13} \times 100 = 15.38\%$ $= \underline{\underline{15.38}}$	x	x ²	10	100	12	144	14	196	13	169	16	256	865		1 2 2	5														
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36.		<p>Commercial & non commercial sources of energy with eg [commercial sources eg. coal, Petroleum electricity etc]</p> <p>non commercial sources eg: firewood, agricultural waste etc</p> <p>conventional & non conventional energy sources, with example</p>	2 1/2 2 1/2	5																												
37.		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>class</th> <th>frequency</th> <th>Less than cumulative</th> <th>Greater than cumulative</th> </tr> </thead> <tbody> <tr> <td>0-10</td> <td>5</td> <td>5</td> <td>70</td> </tr> <tr> <td>10-20</td> <td>10</td> <td>15</td> <td>65</td> </tr> <tr> <td>20-30</td> <td>15</td> <td>30</td> <td>55</td> </tr> <tr> <td>30-40</td> <td>20</td> <td>50</td> <td>40</td> </tr> <tr> <td>40-50</td> <td>10</td> <td>60</td> <td>20</td> </tr> <tr> <td>50-60</td> <td>10</td> <td>70</td> <td>10</td> </tr> </tbody> </table> <p>For less than cumulative frequency For more than cumulative frequency Drawing less than ogive Drawing more than ogive</p>	class	frequency	Less than cumulative	Greater than cumulative	0-10	5	5	70	10-20	10	15	65	20-30	15	30	55	30-40	20	50	40	40-50	10	60	20	50-60	10	70	10	1 1 1 1/2 1 1/2	5
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38		<p><u>Financial Sector</u></p> <ul style="list-style-type: none"> - Role of RBI from regulator to facilitator - establishment of private sector banks - FDI's allowed to invest in Indian financial market <p><u>Tax reforms</u></p> <p>Corporate tax rate was reduced</p> <p>Reforms in indirect Tax</p> <p>eg. GST</p> <p>(Any other relevant points)</p>	1 - 1 1 1 1	5																														
39.		<p>Answer any 2 questions from 39 to 41. Score 8 each</p> <p>Use of non conventional sources of energy</p> <p>LPG, Gober gas in rural areas</p> <p>CNG in urban areas</p> <p>Wind power</p> <p>Solar power through photovoltaic cells</p> <p>mini hydel plants</p> <p>Traditional knowledge and practices</p> <p>Biocomposting</p> <p>Bio pest control [consider other relevant points]</p> <p>4 points with explanation</p> <p>If points only maximum 5 score</p>	4x2	8																														
40		<table border="1"> <thead> <tr> <th>class</th> <th>f</th> <th>mid point</th> <th>Fm</th> <th>cf</th> </tr> </thead> <tbody> <tr> <td>0-20</td> <td>2</td> <td>10</td> <td>20</td> <td>2</td> </tr> <tr> <td>20-40</td> <td>6</td> <td>30</td> <td>180</td> <td>8</td> </tr> <tr> <td>40-60</td> <td>16</td> <td>50</td> <td>800</td> <td>24</td> </tr> <tr> <td>60-80</td> <td>10</td> <td>70</td> <td>700</td> <td>34</td> </tr> <tr> <td>80-100</td> <td>6</td> <td>90</td> <td>540</td> <td>40</td> </tr> </tbody> </table>	class	f	mid point	Fm	cf	0-20	2	10	20	2	20-40	6	30	180	8	40-60	16	50	800	24	60-80	10	70	700	34	80-100	6	90	540	40		
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		<p>mean $\bar{x} = \frac{\sum fm}{\sum f}$</p> $\frac{2240}{40} = \underline{56}$ <p>median = $L + \frac{N/2 - cf}{f} \times c$</p> <p>median class = $N/2^{\text{th}}$ item falls</p> $= 40/2 \text{ } 20^{\text{th}} \text{ item } 40-60$ $= 40 + \frac{20-8}{16} \times 20$ $= 40 + \frac{20-8}{16} \times 20$ $= 40 + \frac{12 \times 20}{16} = 40 + 15 = \underline{55}$	<p>4</p> <p>4</p>	<p>8</p>
41	a	<p>Explanation of 3 approaches</p> <p>① Growth oriented approach Rapid increase in GDP and Per capita income would spread to all sectors</p> <p>② Specific poverty alleviation Programme</p> <p>(a) self employment programmes PMRY, SJSRY, [Any 2]</p> <p>(b) wage employment programmes</p> <p>③ Provide ^{minimum} basic amenities KDS, MDMS, PMGISY [any two]</p> <p>(b) The benefits of direct poverty alleviation programme have been appropriated by non-poor</p>	<p>2</p> <p>2</p> <p>2</p>	<p>8</p>

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
		- Amount of resources allotted to ^{not} sufficient - illmotivated inadequately trained officials (Any two)	2	
		1. VIMAJA. E.V K N M V H S S Vatanappally 9400687087		Amma
		2. SANDHYA. B, G V H S S P A Z H A N J I 9495389562		<u>Sandhya</u>
		3. ABDUL NASSAR. N. P T M Y H S S S O A P P A L A M P A I N I K K O O - 9447324989		<u>Amma</u>
		4. U. T. A B U B A C K E R. O H S S. T I R U R A N G A D I 9447109345		<u>U. T. Abaker</u>
		5. C H A N D R A M O H A N A N K K, P G I M G H S S C H E R U V A N C H E R Y 9995915603		<u>Samudra</u>
		6. D r. A J I T H K U M A R P. K. G H S S M U Z H A P P I L A G A D 9447686940		<u>Cross</u>
		7. J o y P A T H Y A N E S A N, G H S S M Y L A C H A L 9895838961.		<u>Joy</u>
		8. S A N T H O S H K U M A R. A T. D. H. S. S. T H U R A V O O R 9495034246 A L A P P U Z H A (D T)		<u>Santhosh</u>
		9. A N I L K U M A R. N V. J. H. S. S N. N a g a r 9447709267 A L A P P U Z H A (D T)		<u>Anil</u>
		10. A B B A S M A N T H R Y. M G H S S K U M I L Y 9744131250 I D U K K I - (06004) M. Anus		<u>M. Anus</u>
		11. D I L E E P K U M A R. M K G H S S A r e a c o d e 9847944009		<u>M. Anus</u>
		12. T I T T Y M O L A U G U S T I N E M S H S S R A N N Y 9387924155		<u>Titty</u>
		13. A B D U L N A S A R. K. F M H S S K O O M B A R A, 9744859194 (K K D)		<u>Abdul</u>